284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

LAB CHRONICLE

OrderID:	Q3363	**OrderDate:**	10/16/2025 10:56:42 AM
Client:	AECOM	**Project:**	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60697095.171206
Contact:	Rob Forstner	**Location:**	DOD/VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3363-01	**PR132-SO1-085011-20251015**	**SOIL**			**10/15/25**			**10/15/25**
			VOC-TCLVOA-10	8260D			10/16/25	
Q3363-02	**PR132-SO1-039085-20251015**	**SOIL**			**10/15/25**			**10/15/25**
			VOC-TCLVOA-10	8260D			10/16/25	
Q3363-03	**PR132-SO3-028010-20251015**	**SOIL**			**10/15/25**			**10/15/25**
			VOC-TCLVOA-10	8260D			10/16/25	
Q3363-04	**PR132-SO3-010013-20251015**	**SOIL**			**10/15/25**			**10/15/25**
			VOC-TCLVOA-10	8260D			10/16/25	
Q3363-05	**COMP01-20251015**	**SOIL**			**10/15/25**			**10/15/25**
			VOC-TCLVOA-10	8260D			10/20/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3363

Client: AECOM

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID:	**PR132-SO1-085011-20251015**								
Q3363-01	PR132-SO1-085011	SOIL	Acetone		110		8.50	45.0	ug/Kg
Q3363-01	PR132-SO1-085011	SOIL	Carbon Disulfide		3.50	J	1.90	9.00	ug/Kg
Q3363-01	PR132-SO1-085011	SOIL	2-Butanone		34.6	J	11.8	45.0	ug/Kg
Q3363-01	PR132-SO1-085011	SOIL	Methylcyclohexane		49.9		1.60	9.00	ug/Kg
Q3363-01	PR132-SO1-085011	SOIL	Isopropylbenzene		2.60	J	1.40	9.00	ug/Kg
			Total Voc :		201				
Q3363-01	PR132-SO1-085011	SOIL	Naphthalene, decahydro-	*	130	J	0	0	ug/Kg
Q3363-01	PR132-SO1-085011	SOIL	Octane, 2,6-dimethyl-	*	200	J	0	0	ug/Kg
Q3363-01	PR132-SO1-085011	SOIL	Naphthalene, decahydro-2-metl	*	170	J	0	0	ug/Kg
Q3363-01	PR132-SO1-085011	SOIL	Cyclohexane, 1,1,3-trimethyl-	*	180	J	0	0	ug/Kg
Q3363-01	PR132-SO1-085011	SOIL	Undecane, 2,6-dimethyl-	*	200	J	0	0	ug/Kg
Q3363-01	PR132-SO1-085011	SOIL	1,2,4-Trimethylbenzene	*	7.50	J	1.20	9.00	ug/Kg
Q3363-01	PR132-SO1-085011	SOIL	sec-Butylbenzene	*	2.90	J	1.20	9.00	ug/Kg
Q3363-01	PR132-SO1-085011	SOIL	p-Isopropyltoluene	*	5.90	J	1.10	9.00	ug/Kg
			Total Tics :		896				
			Total Concentration:		1100				
Client ID:	**PR132-SO1-039085-20251015**								
Q3363-02	PR132-SO1-039085	SOIL	Acetone		120		10.1	53.2	ug/Kg
Q3363-02	PR132-SO1-039085	SOIL	Carbon Disulfide		4.90	J	2.30	10.6	ug/Kg
Q3363-02	PR132-SO1-039085	SOIL	Methylene Chloride		9.20	J	7.50	21.3	ug/Kg
Q3363-02	PR132-SO1-039085	SOIL	2-Butanone		37.7	J	13.9	53.2	ug/Kg
Q3363-02	PR132-SO1-039085	SOIL	Methylcyclohexane		12.5		1.90	10.6	ug/Kg
Q3363-02	PR132-SO1-039085	SOIL	o-Xylene		5.20	J	1.70	10.6	ug/Kg
			Total Voc :		190				
Q3363-02	PR132-SO1-039085	SOIL	Naphthalene, decahydro-	*	91.9	J	0	0	ug/Kg
Q3363-02	PR132-SO1-039085	SOIL	3-Heptene, 2,2,4,6,6-pentameth	*	110	J	0	0	ug/Kg
Q3363-02	PR132-SO1-039085	SOIL	Dodecane, 2,6,10-trimethyl-	*	82.3	J	0	0	ug/Kg
Q3363-02	PR132-SO1-039085	SOIL	1,3,5-Trimethylbenzene	*	5.80	J	1.70	10.6	ug/Kg
Q3363-02	PR132-SO1-039085	SOIL	1,2,4-Trimethylbenzene	*	6.00	J	1.40	10.6	ug/Kg
			Total Tics :		296				
			Total Concentration:		486				
Client ID:	**PR132-SO3-028010-20251015**								
Q3363-03	PR132-SO3-028010	SOIL	Acetone		110		12.0	63.4	ug/Kg
Q3363-03	PR132-SO3-028010	SOIL	Carbon Disulfide		6.50	J	2.70	12.7	ug/Kg
Q3363-03	PR132-SO3-028010	SOIL	2-Butanone		37.1	J	16.6	63.4	ug/Kg
Q3363-03	PR132-SO3-028010	SOIL	Methylcyclohexane		79.7		2.30	12.7	ug/Kg

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Hit Summary Sheet
SW-846

SDG No.: Q3363

Client: AECOM

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Q3363-03	PR132-SO3-028010	SOIL	Benzene		4.40	J	2.00	12.7	ug/Kg
Q3363-03	PR132-SO3-028010	SOIL	m/p-Xylenes		5.30	J	3.10	25.3	ug/Kg
Q3363-03	PR132-SO3-028010	SOIL	o-Xylene		12.0	J	2.10	12.7	ug/Kg
			Total Voc :		255				
Q3363-03	PR132-SO3-028010	SOIL	Naphthalene, decahydro-	*	150	J	0	0	ug/Kg
Q3363-03	PR132-SO3-028010	SOIL	3-Heptene, 2,2,4,6,6-pentameth	*	240	J	0	0	ug/Kg
Q3363-03	PR132-SO3-028010	SOIL	Heptane, 2,2,6,6-tetramethyl-4-	*	250	J	0	0	ug/Kg
Q3363-03	PR132-SO3-028010	SOIL	Octane, 2,6-dimethyl-	*	150	J	0	0	ug/Kg
Q3363-03	PR132-SO3-028010	SOIL	Octane, 3,6-dimethyl-	*	170	J	0	0	ug/Kg
Q3363-03	PR132-SO3-028010	SOIL	Undecane, 2,6-dimethyl-	*	160	J	0	0	ug/Kg
Q3363-03	PR132-SO3-028010	SOIL	1,3,5-Trimethylbenzene	*	12.3	J	2.10	12.7	ug/Kg
Q3363-03	PR132-SO3-028010	SOIL	1,2,4-Trimethylbenzene	*	14.2	J	1.60	12.7	ug/Kg
			Total Tics :		1150				
			Total Concentration:		1400				
Client ID:	**PR132-SO3-010013-20251015**								
Q3363-04	PR132-SO3-010013	SOIL	Acetone		110		10.3	54.3	ug/Kg
Q3363-04	PR132-SO3-010013	SOIL	Carbon Disulfide		4.90	J	2.30	10.9	ug/Kg
Q3363-04	PR132-SO3-010013	SOIL	2-Butanone		34.5	J	14.2	54.3	ug/Kg
Q3363-04	PR132-SO3-010013	SOIL	Methylcyclohexane		30.9		2.00	10.9	ug/Kg
			Total Voc :		180				
Q3363-04	PR132-SO3-010013	SOIL	Naphthalene, decahydro-	*	120	J	0	0	ug/Kg
Q3363-04	PR132-SO3-010013	SOIL	Undecane, 2,6-dimethyl-	*	120	J	0	0	ug/Kg
			Total Tics :		240				
			Total Concentration:		420				
Client ID:	**COMP01-20251015**								
Q3363-05	COMP01-20251015	SOIL	Acetone		210		8.00	42.4	ug/Kg
Q3363-05	COMP01-20251015	SOIL	Carbon Disulfide		3.40	J	1.80	8.50	ug/Kg
Q3363-05	COMP01-20251015	SOIL	2-Butanone		53.2		11.1	42.4	ug/Kg
			Total Voc :		267				
			Total Concentration:		267				

SAMPLE DATA

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM	Date Collected:	10/15/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	PR132-SO1-085011-202510	SDG No.:	Q3363
Lab Sample ID:	Q3363-01	Matrix:	SOIL
Analytical Method:	8260D	Level : LOW	% Solid: 50.1
Sample Wt/Vol:	5.55 g	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	9.00	U	1	2.00	9.00	ug/Kg	10/16/25 12:57	VY101625
74-87-3	Chloromethane	9.00	U	1	2.00	9.00	ug/Kg	10/16/25 12:57	VY101625
75-01-4	Vinyl Chloride	9.00	U	1	1.40	9.00	ug/Kg	10/16/25 12:57	VY101625
74-83-9	Bromomethane	9.00	U	1	1.90	9.00	ug/Kg	10/16/25 12:57	VY101625
75-00-3	Chloroethane	9.00	U	1	2.30	9.00	ug/Kg	10/16/25 12:57	VY101625
75-69-4	Trichlorofluoromethane	9.00	U	1	2.20	9.00	ug/Kg	10/16/25 12:57	VY101625
76-13-1	1,1,2-Trichlorotrifluoroethane	9.00	U	1	1.90	9.00	ug/Kg	10/16/25 12:57	VY101625
75-35-4	1,1-Dichloroethene	9.00	U	1	1.80	9.00	ug/Kg	10/16/25 12:57	VY101625
67-64-1	Acetone	110		1	8.50	45.0	ug/Kg	10/16/25 12:57	VY101625
75-15-0	Carbon Disulfide	3.50	J	1	1.90	9.00	ug/Kg	10/16/25 12:57	VY101625
1634-04-4	Methyl tert-butyl Ether	9.00	U	1	1.30	9.00	ug/Kg	10/16/25 12:57	VY101625
79-20-9	Methyl Acetate	9.00	U	1	2.80	9.00	ug/Kg	10/16/25 12:57	VY101625
75-09-2	Methylene Chloride	18.0	U	1	6.30	18.0	ug/Kg	10/16/25 12:57	VY101625
156-60-5	trans-1,2-Dichloroethene	9.00	U	1	1.50	9.00	ug/Kg	10/16/25 12:57	VY101625
75-34-3	1,1-Dichloroethane	9.00	U	1	1.40	9.00	ug/Kg	10/16/25 12:57	VY101625
110-82-7	Cyclohexane	9.00	U	1	1.40	9.00	ug/Kg	10/16/25 12:57	VY101625
78-93-3	2-Butanone	34.6	J	1	11.8	45.0	ug/Kg	10/16/25 12:57	VY101625
56-23-5	Carbon Tetrachloride	9.00	U	1	1.70	9.00	ug/Kg	10/16/25 12:57	VY101625
156-59-2	cis-1,2-Dichloroethene	9.00	U	1	1.30	9.00	ug/Kg	10/16/25 12:57	VY101625
74-97-5	Bromochloromethane	9.00	U	1	2.10	9.00	ug/Kg	10/16/25 12:57	VY101625
67-66-3	Chloroform	9.00	U	1	1.50	9.00	ug/Kg	10/16/25 12:57	VY101625
71-55-6	1,1,1-Trichloroethane	9.00	U	1	1.70	9.00	ug/Kg	10/16/25 12:57	VY101625
108-87-2	Methylcyclohexane	49.9		1	1.60	9.00	ug/Kg	10/16/25 12:57	VY101625
71-43-2	Benzene	9.00	U	1	1.40	9.00	ug/Kg	10/16/25 12:57	VY101625
107-06-2	1,2-Dichloroethane	9.00	U	1	1.40	9.00	ug/Kg	10/16/25 12:57	VY101625
79-01-6	Trichloroethene	9.00	U	1	1.50	9.00	ug/Kg	10/16/25 12:57	VY101625
78-87-5	1,2-Dichloropropane	9.00	U	1	1.60	9.00	ug/Kg	10/16/25 12:57	VY101625
75-27-4	Bromodichloromethane	9.00	U	1	1.40	9.00	ug/Kg	10/16/25 12:57	VY101625
108-10-1	4-Methyl-2-Pentanone	45.0	U	1	6.40	45.0	ug/Kg	10/16/25 12:57	VY101625
108-88-3	Toluene	9.00	U	1	1.40	9.00	ug/Kg	10/16/25 12:57	VY101625
10061-02-6	t-1,3-Dichloropropene	9.00	U	1	1.20	9.00	ug/Kg	10/16/25 12:57	VY101625
10061-01-5	cis-1,3-Dichloropropene	9.00	U	1	1.10	9.00	ug/Kg	10/16/25 12:57	VY101625
79-00-5	1,1,2-Trichloroethane	9.00	U	1	1.70	9.00	ug/Kg	10/16/25 12:57	VY101625
591-78-6	2-Hexanone	45.0	U	1	6.60	45.0	ug/Kg	10/16/25 12:57	VY101625
124-48-1	Dibromochloromethane	9.00	U	1	1.60	9.00	ug/Kg	10/16/25 12:57	VY101625
106-93-4	1,2-Dibromoethane	9.00	U	1	1.60	9.00	ug/Kg	10/16/25 12:57	VY101625
127-18-4	Tetrachloroethene	9.00	U	1	1.90	9.00	ug/Kg	10/16/25 12:57	VY101625
108-90-7	Chlorobenzene	9.00	U	1	1.60	9.00	ug/Kg	10/16/25 12:57	VY101625
100-41-4	Ethyl Benzene	9.00	U	1	1.20	9.00	ug/Kg	10/16/25 12:57	VY101625
179601-23-1	m/p-Xylenes	18.0	U	1	2.20	18.0	ug/Kg	10/16/25 12:57	VY101625
95-47-6	o-Xylene	9.00	U	1	1.50	9.00	ug/Kg	10/16/25 12:57	VY101625
100-42-5	Styrene	9.00	U	1	1.30	9.00	ug/Kg	10/16/25 12:57	VY101625
75-25-2	Bromoform	9.00	U	1	1.50	9.00	ug/Kg	10/16/25 12:57	VY101625

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	AECOM	Date Collected:	10/15/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	PR132-SO1-085011-202510	SDG No.:	Q3363
Lab Sample ID:	Q3363-01	Matrix:	SOIL
Analytical Method:	8260D Level : LOW	% Solid:	50.1
Sample Wt/Vol:	5.55 g Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	2.60	J	1	1.40	9.00	ug/Kg	10/16/25 12:57	VY101625
79-34-5	1,1,2,2-Tetrachloroethane	9.00	U	1	2.20	9.00	ug/Kg	10/16/25 12:57	VY101625
541-73-1	1,3-Dichlorobenzene	9.00	U	1	3.10	9.00	ug/Kg	10/16/25 12:57	VY101625
106-46-7	1,4-Dichlorobenzene	9.00	U	1	2.80	9.00	ug/Kg	10/16/25 12:57	VY101625
95-50-1	1,2-Dichlorobenzene	9.00	U	1	2.60	9.00	ug/Kg	10/16/25 12:57	VY101625
96-12-8	1,2-Dibromo-3-Chloropropane	9.00	U	1	3.30	9.00	ug/Kg	10/16/25 12:57	VY101625
120-82-1	1,2,4-Trichlorobenzene	9.00	U	1	5.30	9.00	ug/Kg	10/16/25 12:57	VY101625
87-61-6	1,2,3-Trichlorobenzene	9.00	U	1	5.70	9.00	ug/Kg	10/16/25 12:57	VY101625
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	58.1			63 - 155	116%	SPK: 50		
1868-53-7	Dibromofluoromethane	53.3			70 - 134	107%	SPK: 50		
2037-26-5	Toluene-d8	55.2			74 - 123	110%	SPK: 50		
460-00-4	4-Bromofluorobenzene	51.2			17 - 146	102%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	607000							
540-36-3	1,4-Difluorobenzene	1160000							
3114-55-4	Chlorobenzene-d5	1060000							
3855-82-1	1,4-Dichlorobenzene-d4	376000							
TENTATIVE IDENTIFIED COMPOUNDS									
003073-66-3	Cyclohexane, 1,1,3-trimethyl-	180	J			11.0	ug/Kg		
002051-30-1	Octane, 2,6-dimethyl-	200	J			12.1	ug/Kg		
95-63-6	1,2,4-Trimethylbenzene	7.50	J			13.0	ug/Kg		
135-98-8	sec-Butylbenzene	2.90	J			13.2	ug/Kg		
99-87-6	p-Isopropyltoluene	5.90	J			13.3	ug/Kg		
000091-17-8	Naphthalene, decahydro-	130	J			13.7	ug/Kg		
002958-76-1	Naphthalene, decahydro-2-methyl-	170	J			14.2	ug/Kg		
017301-23-4	Undecane, 2,6-dimethyl-	200	J			14.7	ug/Kg		

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	AECOM	Date Collected:	10/15/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	PR132-SO1-039085-202510	SDG No.:	Q3363
Lab Sample ID:	Q3363-02	Matrix:	SOIL
Analytical Method:	8260D	Level : LOW	% Solid: 56.6
Sample Wt/Vol:	4.15 g	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	10.6	U	1	2.40	10.6	ug/Kg	10/16/25 13:27	VY101625
74-87-3	Chloromethane	10.6	U	1	2.40	10.6	ug/Kg	10/16/25 13:27	VY101625
75-01-4	Vinyl Chloride	10.6	U	1	1.70	10.6	ug/Kg	10/16/25 13:27	VY101625
74-83-9	Bromomethane	10.6	U	1	2.30	10.6	ug/Kg	10/16/25 13:27	VY101625
75-00-3	Chloroethane	10.6	U	1	2.70	10.6	ug/Kg	10/16/25 13:27	VY101625
75-69-4	Trichlorofluoromethane	10.6	U	1	2.60	10.6	ug/Kg	10/16/25 13:27	VY101625
76-13-1	1,1,2-Trichlorotrifluoroethane	10.6	U	1	2.30	10.6	ug/Kg	10/16/25 13:27	VY101625
75-35-4	1,1-Dichloroethene	10.6	U	1	2.10	10.6	ug/Kg	10/16/25 13:27	VY101625
67-64-1	Acetone	120		1	10.1	53.2	ug/Kg	10/16/25 13:27	VY101625
75-15-0	Carbon Disulfide	4.90	J	1	2.30	10.6	ug/Kg	10/16/25 13:27	VY101625
1634-04-4	Methyl tert-butyl Ether	10.6	U	1	1.60	10.6	ug/Kg	10/16/25 13:27	VY101625
79-20-9	Methyl Acetate	10.6	U	1	3.30	10.6	ug/Kg	10/16/25 13:27	VY101625
75-09-2	Methylene Chloride	9.20	J	1	7.50	21.3	ug/Kg	10/16/25 13:27	VY101625
156-60-5	trans-1,2-Dichloroethene	10.6	U	1	1.80	10.6	ug/Kg	10/16/25 13:27	VY101625
75-34-3	1,1-Dichloroethane	10.6	U	1	1.70	10.6	ug/Kg	10/16/25 13:27	VY101625
110-82-7	Cyclohexane	10.6	U	1	1.70	10.6	ug/Kg	10/16/25 13:27	VY101625
78-93-3	2-Butanone	37.7	J	1	13.9	53.2	ug/Kg	10/16/25 13:27	VY101625
56-23-5	Carbon Tetrachloride	10.6	U	1	2.10	10.6	ug/Kg	10/16/25 13:27	VY101625
156-59-2	cis-1,2-Dichloroethene	10.6	U	1	1.60	10.6	ug/Kg	10/16/25 13:27	VY101625
74-97-5	Bromochloromethane	10.6	U	1	2.40	10.6	ug/Kg	10/16/25 13:27	VY101625
67-66-3	Chloroform	10.6	U	1	1.80	10.6	ug/Kg	10/16/25 13:27	VY101625
71-55-6	1,1,1-Trichloroethane	10.6	U	1	2.00	10.6	ug/Kg	10/16/25 13:27	VY101625
108-87-2	Methylcyclohexane	12.5		1	1.90	10.6	ug/Kg	10/16/25 13:27	VY101625
71-43-2	Benzene	10.6	U	1	1.70	10.6	ug/Kg	10/16/25 13:27	VY101625
107-06-2	1,2-Dichloroethane	10.6	U	1	1.70	10.6	ug/Kg	10/16/25 13:27	VY101625
79-01-6	Trichloroethene	10.6	U	1	1.70	10.6	ug/Kg	10/16/25 13:27	VY101625
78-87-5	1,2-Dichloropropane	10.6	U	1	1.90	10.6	ug/Kg	10/16/25 13:27	VY101625
75-27-4	Bromodichloromethane	10.6	U	1	1.70	10.6	ug/Kg	10/16/25 13:27	VY101625
108-10-1	4-Methyl-2-Pentanone	53.2	U	1	7.60	53.2	ug/Kg	10/16/25 13:27	VY101625
108-88-3	Toluene	10.6	U	1	1.70	10.6	ug/Kg	10/16/25 13:27	VY101625
10061-02-6	t-1,3-Dichloropropene	10.6	U	1	1.40	10.6	ug/Kg	10/16/25 13:27	VY101625
10061-01-5	cis-1,3-Dichloropropene	10.6	U	1	1.30	10.6	ug/Kg	10/16/25 13:27	VY101625
79-00-5	1,1,2-Trichloroethane	10.6	U	1	2.00	10.6	ug/Kg	10/16/25 13:27	VY101625
591-78-6	2-Hexanone	53.2	U	1	7.90	53.2	ug/Kg	10/16/25 13:27	VY101625
124-48-1	Dibromochloromethane	10.6	U	1	1.90	10.6	ug/Kg	10/16/25 13:27	VY101625
106-93-4	1,2-Dibromoethane	10.6	U	1	1.90	10.6	ug/Kg	10/16/25 13:27	VY101625
127-18-4	Tetrachloroethene	10.6	U	1	2.20	10.6	ug/Kg	10/16/25 13:27	VY101625
108-90-7	Chlorobenzene	10.6	U	1	1.90	10.6	ug/Kg	10/16/25 13:27	VY101625
100-41-4	Ethyl Benzene	10.6	U	1	1.40	10.6	ug/Kg	10/16/25 13:27	VY101625
179601-23-1	m/p-Xylenes	21.3	U	1	2.60	21.3	ug/Kg	10/16/25 13:27	VY101625
95-47-6	o-Xylene	5.20	J	1	1.70	10.6	ug/Kg	10/16/25 13:27	VY101625
100-42-5	Styrene	10.6	U	1	1.50	10.6	ug/Kg	10/16/25 13:27	VY101625
75-25-2	Bromoform	10.6	U	1	1.80	10.6	ug/Kg	10/16/25 13:27	VY101625

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	AECOM	Date Collected:	10/15/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	PR132-SO1-039085-202510	SDG No.:	Q3363
Lab Sample ID:	Q3363-02	Matrix:	SOIL
Analytical Method:	8260D Level : LOW	% Solid:	56.6
Sample Wt/Vol:	4.15 g Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	10.6	U	1	1.70	10.6	ug/Kg	10/16/25 13:27	VY101625
79-34-5	1,1,2,2-Tetrachloroethane	10.6	U	1	2.60	10.6	ug/Kg	10/16/25 13:27	VY101625
541-73-1	1,3-Dichlorobenzene	10.6	U	1	3.60	10.6	ug/Kg	10/16/25 13:27	VY101625
106-46-7	1,4-Dichlorobenzene	10.6	U	1	3.30	10.6	ug/Kg	10/16/25 13:27	VY101625
95-50-1	1,2-Dichlorobenzene	10.6	U	1	3.10	10.6	ug/Kg	10/16/25 13:27	VY101625
96-12-8	1,2-Dibromo-3-Chloropropane	10.6	U	1	3.90	10.6	ug/Kg	10/16/25 13:27	VY101625
120-82-1	1,2,4-Trichlorobenzene	10.6	U	1	6.30	10.6	ug/Kg	10/16/25 13:27	VY101625
87-61-6	1,2,3-Trichlorobenzene	10.6	U	1	6.80	10.6	ug/Kg	10/16/25 13:27	VY101625
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	62.0			63 - 155	124%	SPK: 50		
1868-53-7	Dibromofluoromethane	53.3			70 - 134	107%	SPK: 50		
2037-26-5	Toluene-d8	51.7			74 - 123	103%	SPK: 50		
460-00-4	4-Bromofluorobenzene	52.7			17 - 146	105%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	585000							
540-36-3	1,4-Difluorobenzene	1150000							
3114-55-4	Chlorobenzene-d5	1120000							
3855-82-1	1,4-Dichlorobenzene-d4	424000							
TENTATIVE IDENTIFIED COMPOUNDS									
108-67-8	1,3,5-Trimethylbenzene	5.80	J			12.7	ug/Kg		
000123-48-8	3-Heptene, 2,2,4,6,6-pentamethyl-	110	J			12.9	ug/Kg		
95-63-6	1,2,4-Trimethylbenzene	6.00	J			13.0	ug/Kg		
000091-17-8	Naphthalene, decahydro-	91.9	J			13.7	ug/Kg		
003891-98-3	Dodecane, 2,6,10-trimethyl-	82.3	J			16.0	ug/Kg		

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	AECOM	Date Collected:	10/15/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	PR132-SO3-028010-202510	SDG No.:	Q3363
Lab Sample ID:	Q3363-03	Matrix:	SOIL
Analytical Method:	8260D	Level : LOW	% Solid: 54.8
Sample Wt/Vol:	3.6 g	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	12.7	U	1	2.90	12.7	ug/Kg	10/16/25 13:51	VY101625
74-87-3	Chloromethane	12.7	U	1	2.90	12.7	ug/Kg	10/16/25 13:51	VY101625
75-01-4	Vinyl Chloride	12.7	U	1	2.00	12.7	ug/Kg	10/16/25 13:51	VY101625
74-83-9	Bromomethane	12.7	U	1	2.70	12.7	ug/Kg	10/16/25 13:51	VY101625
75-00-3	Chloroethane	12.7	U	1	3.20	12.7	ug/Kg	10/16/25 13:51	VY101625
75-69-4	Trichlorofluoromethane	12.7	U	1	3.10	12.7	ug/Kg	10/16/25 13:51	VY101625
76-13-1	1,1,2-Trichlorotrifluoroethane	12.7	U	1	2.70	12.7	ug/Kg	10/16/25 13:51	VY101625
75-35-4	1,1-Dichloroethene	12.7	U	1	2.50	12.7	ug/Kg	10/16/25 13:51	VY101625
67-64-1	Acetone	110		1	12.0	63.4	ug/Kg	10/16/25 13:51	VY101625
75-15-0	Carbon Disulfide	6.50	J	1	2.70	12.7	ug/Kg	10/16/25 13:51	VY101625
1634-04-4	Methyl tert-butyl Ether	12.7	U	1	1.90	12.7	ug/Kg	10/16/25 13:51	VY101625
79-20-9	Methyl Acetate	12.7	U	1	3.90	12.7	ug/Kg	10/16/25 13:51	VY101625
75-09-2	Methylene Chloride	25.3	U	1	8.90	25.3	ug/Kg	10/16/25 13:51	VY101625
156-60-5	trans-1,2-Dichloroethene	12.7	U	1	2.20	12.7	ug/Kg	10/16/25 13:51	VY101625
75-34-3	1,1-Dichloroethane	12.7	U	1	2.00	12.7	ug/Kg	10/16/25 13:51	VY101625
110-82-7	Cyclohexane	12.7	U	1	2.00	12.7	ug/Kg	10/16/25 13:51	VY101625
78-93-3	2-Butanone	37.1	J	1	16.6	63.4	ug/Kg	10/16/25 13:51	VY101625
56-23-5	Carbon Tetrachloride	12.7	U	1	2.50	12.7	ug/Kg	10/16/25 13:51	VY101625
156-59-2	cis-1,2-Dichloroethene	12.7	U	1	1.90	12.7	ug/Kg	10/16/25 13:51	VY101625
74-97-5	Bromochloromethane	12.7	U	1	2.90	12.7	ug/Kg	10/16/25 13:51	VY101625
67-66-3	Chloroform	12.7	U	1	2.10	12.7	ug/Kg	10/16/25 13:51	VY101625
71-55-6	1,1,1-Trichloroethane	12.7	U	1	2.40	12.7	ug/Kg	10/16/25 13:51	VY101625
108-87-2	Methylcyclohexane	79.7		1	2.30	12.7	ug/Kg	10/16/25 13:51	VY101625
71-43-2	Benzene	4.40	J	1	2.00	12.7	ug/Kg	10/16/25 13:51	VY101625
107-06-2	1,2-Dichloroethane	12.7	U	1	2.00	12.7	ug/Kg	10/16/25 13:51	VY101625
79-01-6	Trichloroethene	12.7	U	1	2.10	12.7	ug/Kg	10/16/25 13:51	VY101625
78-87-5	1,2-Dichloropropane	12.7	U	1	2.30	12.7	ug/Kg	10/16/25 13:51	VY101625
75-27-4	Bromodichloromethane	12.7	U	1	2.00	12.7	ug/Kg	10/16/25 13:51	VY101625
108-10-1	4-Methyl-2-Pentanone	63.4	U	1	9.10	63.4	ug/Kg	10/16/25 13:51	VY101625
108-88-3	Toluene	12.7	U	1	2.00	12.7	ug/Kg	10/16/25 13:51	VY101625
10061-02-6	t-1,3-Dichloropropene	12.7	U	1	1.60	12.7	ug/Kg	10/16/25 13:51	VY101625
10061-01-5	cis-1,3-Dichloropropene	12.7	U	1	1.60	12.7	ug/Kg	10/16/25 13:51	VY101625
79-00-5	1,1,2-Trichloroethane	12.7	U	1	2.30	12.7	ug/Kg	10/16/25 13:51	VY101625
591-78-6	2-Hexanone	63.4	U	1	9.40	63.4	ug/Kg	10/16/25 13:51	VY101625
124-48-1	Dibromochloromethane	12.7	U	1	2.20	12.7	ug/Kg	10/16/25 13:51	VY101625
106-93-4	1,2-Dibromoethane	12.7	U	1	2.20	12.7	ug/Kg	10/16/25 13:51	VY101625
127-18-4	Tetrachloroethene	12.7	U	1	2.70	12.7	ug/Kg	10/16/25 13:51	VY101625
108-90-7	Chlorobenzene	12.7	U	1	2.30	12.7	ug/Kg	10/16/25 13:51	VY101625
100-41-4	Ethyl Benzene	12.7	U	1	1.70	12.7	ug/Kg	10/16/25 13:51	VY101625
179601-23-1	m/p-Xylenes	5.30	J	1	3.10	25.3	ug/Kg	10/16/25 13:51	VY101625
95-47-6	o-Xylene	12.0	J	1	2.10	12.7	ug/Kg	10/16/25 13:51	VY101625
100-42-5	Styrene	12.7	U	1	1.80	12.7	ug/Kg	10/16/25 13:51	VY101625
75-25-2	Bromoform	12.7	U	1	2.20	12.7	ug/Kg	10/16/25 13:51	VY101625

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	AECOM	Date Collected:	10/15/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	PR132-SO3-028010-202510	SDG No.:	Q3363
Lab Sample ID:	Q3363-03	Matrix:	SOIL
Analytical Method:	8260D Level : LOW	% Solid:	54.8
Sample Wt/Vol:	3.6 g Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	12.7	U	1	2.00	12.7	ug/Kg	10/16/25 13:51	VY101625
79-34-5	1,1,2,2-Tetrachloroethane	12.7	U	1	3.10	12.7	ug/Kg	10/16/25 13:51	VY101625
541-73-1	1,3-Dichlorobenzene	12.7	U	1	4.30	12.7	ug/Kg	10/16/25 13:51	VY101625
106-46-7	1,4-Dichlorobenzene	12.7	U	1	4.00	12.7	ug/Kg	10/16/25 13:51	VY101625
95-50-1	1,2-Dichlorobenzene	12.7	U	1	3.70	12.7	ug/Kg	10/16/25 13:51	VY101625
96-12-8	1,2-Dibromo-3-Chloropropane	12.7	U	1	4.70	12.7	ug/Kg	10/16/25 13:51	VY101625
120-82-1	1,2,4-Trichlorobenzene	12.7	U	1	7.50	12.7	ug/Kg	10/16/25 13:51	VY101625
87-61-6	1,2,3-Trichlorobenzene	12.7	U	1	8.10	12.7	ug/Kg	10/16/25 13:51	VY101625
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	62.0			63 - 155	124%	SPK: 50		
1868-53-7	Dibromofluoromethane	53.7			70 - 134	107%	SPK: 50		
2037-26-5	Toluene-d8	54.6			74 - 123	109%	SPK: 50		
460-00-4	4-Bromofluorobenzene	59.9			17 - 146	120%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	619000							
540-36-3	1,4-Difluorobenzene	1210000							
3114-55-4	Chlorobenzene-d5	1180000							
3855-82-1	1,4-Dichlorobenzene-d4	476000							
TENTATIVE IDENTIFIED COMPOUNDS									
015869-94-0	Octane, 3,6-dimethyl-	170	J			12.0	ug/Kg		
108-67-8	1,3,5-Trimethylbenzene	12.3	J			12.7	ug/Kg		
000141-70-8	Heptane, 2,2,6,6-tetramethyl-4-met	250	J			12.9	ug/Kg		
000123-48-8	3-Heptene, 2,2,4,6,6-pentamethyl-	240	J			12.9	ug/Kg		
95-63-6	1,2,4-Trimethylbenzene	14.2	J			13.0	ug/Kg		
000091-17-8	Naphthalene, decahydro-	150	J			13.7	ug/Kg		
017301-23-4	Undecane, 2,6-dimethyl-	160	J			14.6	ug/Kg		
002051-30-1	Octane, 2,6-dimethyl-	150	J			15.1	ug/Kg		

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	AECOM	Date Collected:	10/15/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	PR132-SO3-010013-202510	SDG No.:	Q3363
Lab Sample ID:	Q3363-04	Matrix:	SOIL
Analytical Method:	8260D	Level : LOW	% Solid: 51.5
Sample Wt/Vol:	4.47 g	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	10.9	U	1	2.50	10.9	ug/Kg	10/16/25 14:14	VY101625
74-87-3	Chloromethane	10.9	U	1	2.50	10.9	ug/Kg	10/16/25 14:14	VY101625
75-01-4	Vinyl Chloride	10.9	U	1	1.70	10.9	ug/Kg	10/16/25 14:14	VY101625
74-83-9	Bromomethane	10.9	U	1	2.30	10.9	ug/Kg	10/16/25 14:14	VY101625
75-00-3	Chloroethane	10.9	U	1	2.70	10.9	ug/Kg	10/16/25 14:14	VY101625
75-69-4	Trichlorofluoromethane	10.9	U	1	2.60	10.9	ug/Kg	10/16/25 14:14	VY101625
76-13-1	1,1,2-Trichlorotrifluoroethane	10.9	U	1	2.30	10.9	ug/Kg	10/16/25 14:14	VY101625
75-35-4	1,1-Dichloroethene	10.9	U	1	2.20	10.9	ug/Kg	10/16/25 14:14	VY101625
67-64-1	Acetone	110		1	10.3	54.3	ug/Kg	10/16/25 14:14	VY101625
75-15-0	Carbon Disulfide	4.90	J	1	2.30	10.9	ug/Kg	10/16/25 14:14	VY101625
1634-04-4	Methyl tert-butyl Ether	10.9	U	1	1.60	10.9	ug/Kg	10/16/25 14:14	VY101625
79-20-9	Methyl Acetate	10.9	U	1	3.30	10.9	ug/Kg	10/16/25 14:14	VY101625
75-09-2	Methylene Chloride	21.7	U	1	7.70	21.7	ug/Kg	10/16/25 14:14	VY101625
156-60-5	trans-1,2-Dichloroethene	10.9	U	1	1.90	10.9	ug/Kg	10/16/25 14:14	VY101625
75-34-3	1,1-Dichloroethane	10.9	U	1	1.70	10.9	ug/Kg	10/16/25 14:14	VY101625
110-82-7	Cyclohexane	10.9	U	1	1.70	10.9	ug/Kg	10/16/25 14:14	VY101625
78-93-3	2-Butanone	34.5	J	1	14.2	54.3	ug/Kg	10/16/25 14:14	VY101625
56-23-5	Carbon Tetrachloride	10.9	U	1	2.10	10.9	ug/Kg	10/16/25 14:14	VY101625
156-59-2	cis-1,2-Dichloroethene	10.9	U	1	1.60	10.9	ug/Kg	10/16/25 14:14	VY101625
74-97-5	Bromochloromethane	10.9	U	1	2.50	10.9	ug/Kg	10/16/25 14:14	VY101625
67-66-3	Chloroform	10.9	U	1	1.80	10.9	ug/Kg	10/16/25 14:14	VY101625
71-55-6	1,1,1-Trichloroethane	10.9	U	1	2.00	10.9	ug/Kg	10/16/25 14:14	VY101625
108-87-2	Methylcyclohexane	30.9		1	2.00	10.9	ug/Kg	10/16/25 14:14	VY101625
71-43-2	Benzene	10.9	U	1	1.70	10.9	ug/Kg	10/16/25 14:14	VY101625
107-06-2	1,2-Dichloroethane	10.9	U	1	1.70	10.9	ug/Kg	10/16/25 14:14	VY101625
79-01-6	Trichloroethene	10.9	U	1	1.80	10.9	ug/Kg	10/16/25 14:14	VY101625
78-87-5	1,2-Dichloropropane	10.9	U	1	2.00	10.9	ug/Kg	10/16/25 14:14	VY101625
75-27-4	Bromodichloromethane	10.9	U	1	1.70	10.9	ug/Kg	10/16/25 14:14	VY101625
108-10-1	4-Methyl-2-Pentanone	54.3	U	1	7.80	54.3	ug/Kg	10/16/25 14:14	VY101625
108-88-3	Toluene	10.9	U	1	1.70	10.9	ug/Kg	10/16/25 14:14	VY101625
10061-02-6	t-1,3-Dichloropropene	10.9	U	1	1.40	10.9	ug/Kg	10/16/25 14:14	VY101625
10061-01-5	cis-1,3-Dichloropropene	10.9	U	1	1.30	10.9	ug/Kg	10/16/25 14:14	VY101625
79-00-5	1,1,2-Trichloroethane	10.9	U	1	2.00	10.9	ug/Kg	10/16/25 14:14	VY101625
591-78-6	2-Hexanone	54.3	U	1	8.00	54.3	ug/Kg	10/16/25 14:14	VY101625
124-48-1	Dibromochloromethane	10.9	U	1	1.90	10.9	ug/Kg	10/16/25 14:14	VY101625
106-93-4	1,2-Dibromoethane	10.9	U	1	1.90	10.9	ug/Kg	10/16/25 14:14	VY101625
127-18-4	Tetrachloroethene	10.9	U	1	2.30	10.9	ug/Kg	10/16/25 14:14	VY101625
108-90-7	Chlorobenzene	10.9	U	1	2.00	10.9	ug/Kg	10/16/25 14:14	VY101625
100-41-4	Ethyl Benzene	10.9	U	1	1.50	10.9	ug/Kg	10/16/25 14:14	VY101625
179601-23-1	m/p-Xylenes	21.7	U	1	2.70	21.7	ug/Kg	10/16/25 14:14	VY101625
95-47-6	o-Xylene	10.9	U	1	1.80	10.9	ug/Kg	10/16/25 14:14	VY101625
100-42-5	Styrene	10.9	U	1	1.50	10.9	ug/Kg	10/16/25 14:14	VY101625
75-25-2	Bromoform	10.9	U	1	1.90	10.9	ug/Kg	10/16/25 14:14	VY101625

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Report of Analysis

Client:	AECOM	Date Collected:	10/15/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	PR132-SO3-010013-202510	SDG No.:	Q3363
Lab Sample ID:	Q3363-04	Matrix:	SOIL
Analytical Method:	8260D	Level : LOW	% Solid: 51.5
Sample Wt/Vol:	4.47 g	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	10.9	U	1	1.70	10.9	ug/Kg	10/16/25 14:14	VY101625
79-34-5	1,1,2,2-Tetrachloroethane	10.9	U	1	2.60	10.9	ug/Kg	10/16/25 14:14	VY101625
541-73-1	1,3-Dichlorobenzene	10.9	U	1	3.70	10.9	ug/Kg	10/16/25 14:14	VY101625
106-46-7	1,4-Dichlorobenzene	10.9	U	1	3.40	10.9	ug/Kg	10/16/25 14:14	VY101625
95-50-1	1,2-Dichlorobenzene	10.9	U	1	3.10	10.9	ug/Kg	10/16/25 14:14	VY101625
96-12-8	1,2-Dibromo-3-Chloropropane	10.9	U	1	4.00	10.9	ug/Kg	10/16/25 14:14	VY101625
120-82-1	1,2,4-Trichlorobenzene	10.9	U	1	6.50	10.9	ug/Kg	10/16/25 14:14	VY101625
87-61-6	1,2,3-Trichlorobenzene	10.9	U	1	6.90	10.9	ug/Kg	10/16/25 14:14	VY101625
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	61.0			63 - 155	122%	SPK: 50		
1868-53-7	Dibromofluoromethane	53.4			70 - 134	107%	SPK: 50		
2037-26-5	Toluene-d8	53.5			74 - 123	107%	SPK: 50		
460-00-4	4-Bromofluorobenzene	55.6			17 - 146	111%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	633000							
540-36-3	1,4-Difluorobenzene	1210000							
3114-55-4	Chlorobenzene-d5	1200000							
3855-82-1	1,4-Dichlorobenzene-d4	469000							
TENTATIVE IDENTIFIED COMPOUNDS									
000091-17-8	Naphthalene, decahydro-	120	J			13.7	ug/Kg		
017301-23-4	Undecane, 2,6-dimethyl-	120	J			14.6	ug/Kg		

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	AECOM	Date Collected:	10/15/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	COMP01-20251015	SDG No.:	Q3363
Lab Sample ID:	Q3363-05	Matrix:	SOIL
Analytical Method:	8260D	Level : LOW	% Solid: 55.4
Sample Wt/Vol:	5.32 g	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	8.50	U	1	1.90	8.50	ug/Kg	10/20/25 12:44	VW102025
74-87-3	Chloromethane	8.50	U	1	1.90	8.50	ug/Kg	10/20/25 12:44	VW102025
75-01-4	Vinyl Chloride	8.50	U	1	1.30	8.50	ug/Kg	10/20/25 12:44	VW102025
74-83-9	Bromomethane	8.50	U	1	1.80	8.50	ug/Kg	10/20/25 12:44	VW102025
75-00-3	Chloroethane	8.50	U	1	2.10	8.50	ug/Kg	10/20/25 12:44	VW102025
75-69-4	Trichlorofluoromethane	8.50	U	1	2.10	8.50	ug/Kg	10/20/25 12:44	VW102025
76-13-1	1,1,2-Trichlorotrifluoroethane	8.50	U	1	1.80	8.50	ug/Kg	10/20/25 12:44	VW102025
75-35-4	1,1-Dichloroethene	8.50	U	1	1.70	8.50	ug/Kg	10/20/25 12:44	VW102025
67-64-1	Acetone	210		1	8.00	42.4	ug/Kg	10/20/25 12:44	VW102025
75-15-0	Carbon Disulfide	3.40	J	1	1.80	8.50	ug/Kg	10/20/25 12:44	VW102025
1634-04-4	Methyl tert-butyl Ether	8.50	U	1	1.20	8.50	ug/Kg	10/20/25 12:44	VW102025
79-20-9	Methyl Acetate	8.50	U	1	2.60	8.50	ug/Kg	10/20/25 12:44	VW102025
75-09-2	Methylene Chloride	17.0	U	1	6.00	17.0	ug/Kg	10/20/25 12:44	VW102025
156-60-5	trans-1,2-Dichloroethene	8.50	U	1	1.50	8.50	ug/Kg	10/20/25 12:44	VW102025
75-34-3	1,1-Dichloroethane	8.50	U	1	1.40	8.50	ug/Kg	10/20/25 12:44	VW102025
110-82-7	Cyclohexane	8.50	U	1	1.30	8.50	ug/Kg	10/20/25 12:44	VW102025
78-93-3	2-Butanone	53.2		1	11.1	42.4	ug/Kg	10/20/25 12:44	VW102025
56-23-5	Carbon Tetrachloride	8.50	U	1	1.60	8.50	ug/Kg	10/20/25 12:44	VW102025
156-59-2	cis-1,2-Dichloroethene	8.50	U	1	1.30	8.50	ug/Kg	10/20/25 12:44	VW102025
74-97-5	Bromochloromethane	8.50	U	1	2.00	8.50	ug/Kg	10/20/25 12:44	VW102025
67-66-3	Chloroform	8.50	U	1	1.40	8.50	ug/Kg	10/20/25 12:44	VW102025
71-55-6	1,1,1-Trichloroethane	8.50	U	1	1.60	8.50	ug/Kg	10/20/25 12:44	VW102025
108-87-2	Methylcyclohexane	8.50	U	1	1.50	8.50	ug/Kg	10/20/25 12:44	VW102025
71-43-2	Benzene	8.50	U	1	1.30	8.50	ug/Kg	10/20/25 12:44	VW102025
107-06-2	1,2-Dichloroethane	8.50	U	1	1.30	8.50	ug/Kg	10/20/25 12:44	VW102025
79-01-6	Trichloroethene	8.50	U	1	1.40	8.50	ug/Kg	10/20/25 12:44	VW102025
78-87-5	1,2-Dichloropropane	8.50	U	1	1.50	8.50	ug/Kg	10/20/25 12:44	VW102025
75-27-4	Bromodichloromethane	8.50	U	1	1.30	8.50	ug/Kg	10/20/25 12:44	VW102025
108-10-1	4-Methyl-2-Pentanone	42.4	U	1	6.10	42.4	ug/Kg	10/20/25 12:44	VW102025
108-88-3	Toluene	8.50	U	1	1.30	8.50	ug/Kg	10/20/25 12:44	VW102025
10061-02-6	t-1,3-Dichloropropene	8.50	U	1	1.10	8.50	ug/Kg	10/20/25 12:44	VW102025
10061-01-5	cis-1,3-Dichloropropene	8.50	U	1	1.10	8.50	ug/Kg	10/20/25 12:44	VW102025
79-00-5	1,1,2-Trichloroethane	8.50	U	1	1.60	8.50	ug/Kg	10/20/25 12:44	VW102025
591-78-6	2-Hexanone	42.4	U	1	6.30	42.4	ug/Kg	10/20/25 12:44	VW102025
124-48-1	Dibromochloromethane	8.50	U	1	1.50	8.50	ug/Kg	10/20/25 12:44	VW102025
106-93-4	1,2-Dibromoethane	8.50	U	1	1.50	8.50	ug/Kg	10/20/25 12:44	VW102025
127-18-4	Tetrachloroethene	8.50	U	1	1.80	8.50	ug/Kg	10/20/25 12:44	VW102025
108-90-7	Chlorobenzene	8.50	U	1	1.50	8.50	ug/Kg	10/20/25 12:44	VW102025
100-41-4	Ethyl Benzene	8.50	U	1	1.10	8.50	ug/Kg	10/20/25 12:44	VW102025
179601-23-1	m/p-Xylenes	17.0	U	1	2.10	17.0	ug/Kg	10/20/25 12:44	VW102025
95-47-6	o-Xylene	8.50	U	1	1.40	8.50	ug/Kg	10/20/25 12:44	VW102025
100-42-5	Styrene	8.50	U	1	1.20	8.50	ug/Kg	10/20/25 12:44	VW102025
75-25-2	Bromoform	8.50	U	1	1.50	8.50	ug/Kg	10/20/25 12:44	VW102025

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Report of Analysis

Client:	AECOM	Date Collected:	10/15/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	COMP01-20251015	SDG No.:	Q3363
Lab Sample ID:	Q3363-05	Matrix:	SOIL
Analytical Method:	8260D	Level : LOW	% Solid: 55.4
Sample Wt/Vol:	5.32 g	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	8.50	U	1	1.30	8.50	ug/Kg	10/20/25 12:44	VW102025
79-34-5	1,1,2,2-Tetrachloroethane	8.50	U	1	2.10	8.50	ug/Kg	10/20/25 12:44	VW102025
541-73-1	1,3-Dichlorobenzene	8.50	U	1	2.90	8.50	ug/Kg	10/20/25 12:44	VW102025
106-46-7	1,4-Dichlorobenzene	8.50	U	1	2.60	8.50	ug/Kg	10/20/25 12:44	VW102025
95-50-1	1,2-Dichlorobenzene	8.50	U	1	2.50	8.50	ug/Kg	10/20/25 12:44	VW102025
96-12-8	1,2-Dibromo-3-Chloropropane	8.50	U	1	3.10	8.50	ug/Kg	10/20/25 12:44	VW102025
120-82-1	1,2,4-Trichlorobenzene	8.50	U	1	5.00	8.50	ug/Kg	10/20/25 12:44	VW102025
87-61-6	1,2,3-Trichlorobenzene	8.50	U	1	5.40	8.50	ug/Kg	10/20/25 12:44	VW102025
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	66.7			63 - 155	133%	SPK: 50		
1868-53-7	Dibromofluoromethane	57.1			70 - 134	114%	SPK: 50		
2037-26-5	Toluene-d8	52.0			74 - 123	104%	SPK: 50		
460-00-4	4-Bromofluorobenzene	53.8			17 - 146	108%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	173000							
540-36-3	1,4-Difluorobenzene	385000							
3114-55-4	Chlorobenzene-d5	402000							
3855-82-1	1,4-Dichlorobenzene-d4	189000							

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

QC SUMMARY

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Surrogate Summary

SDG No.: Q3363

Client: AECOM

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q3363-01	PR132-SO1-085011-20251015	1,2-Dichloroethane-d4	50	58.1	116		63	155
		Dibromofluoromethane	50	53.3	107		70	134
		Toluene-d8	50	55.2	110		74	123
		4-Bromofluorobenzene	50	51.2	102		17	146
Q3363-02	PR132-SO1-039085-20251015	1,2-Dichloroethane-d4	50	62.0	124		63	155
		Dibromofluoromethane	50	53.3	107		70	134
		Toluene-d8	50	51.7	103		74	123
		4-Bromofluorobenzene	50	52.7	105		17	146
Q3363-03	PR132-SO3-028010-20251015	1,2-Dichloroethane-d4	50	62.0	124		63	155
		Dibromofluoromethane	50	53.7	107		70	134
		Toluene-d8	50	54.6	109		74	123
		4-Bromofluorobenzene	50	59.9	120		17	146
Q3363-04	PR132-SO3-010013-20251015	1,2-Dichloroethane-d4	50	61.0	122		63	155
		Dibromofluoromethane	50	53.4	107		70	134
		Toluene-d8	50	53.5	107		74	123
		4-Bromofluorobenzene	50	55.6	111		17	146
Q3363-05	COMP01-20251015	1,2-Dichloroethane-d4	50	66.7	133		63	155
		Dibromofluoromethane	50	57.1	114		70	134
		Toluene-d8	50	52.0	104		74	123
		4-Bromofluorobenzene	50	53.8	108		17	146
VW1020SBL01	VW1020SBL01	1,2-Dichloroethane-d4	50	65.7	131		63	155
		Dibromofluoromethane	50	58.2	116		70	134
		Toluene-d8	50	54.5	109		74	123
		4-Bromofluorobenzene	50	51.8	104		17	146
VW1020SBS01	VW1020SBS01	1,2-Dichloroethane-d4	50	52.1	104		63	155
		Dibromofluoromethane	50	53.3	107		70	134
		Toluene-d8	50	53.0	106		74	123
		4-Bromofluorobenzene	50	51.7	103		17	146
VY1016SBL01	VY1016SBL01	1,2-Dichloroethane-d4	50	63.0	126		63	155
		Dibromofluoromethane	50	55.0	110		70	134
		Toluene-d8	50	53.4	107		74	123
		4-Bromofluorobenzene	50	53.5	107		17	146
VY1016SBS01	VY1016SBS01	1,2-Dichloroethane-d4	50	50.2	100		63	155
		Dibromofluoromethane	50	52.3	105		70	134
		Toluene-d8	50	52.0	104		74	123
		4-Bromofluorobenzene	50	51.1	102		17	146
VY1016SBSD01	VY1016SBSD01	1,2-Dichloroethane-d4	50	44.6	89		63	155
		Dibromofluoromethane	50	47.6	95		70	134
		Toluene-d8	50	48.2	96		74	123
		4-Bromofluorobenzene	50	45.5	91		17	146

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3363 **Analytical Method:** SW8260D

Client: AECOM **Datafile :** VW032380.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VW1020SBS01	Dichlorodifluoromethane	20	19.9	ug/Kg	100			64	136	
	Chloromethane	20	20.1	ug/Kg	101			52	151	
	Vinyl chloride	20	22.1	ug/Kg	111			56	148	
	Bromomethane	20	21.1	ug/Kg	106			58	141	
	Chloroethane	20	21.4	ug/Kg	107			69	130	
	Trichlorofluoromethane	20	19.4	ug/Kg	97			69	134	
	1,1,2-Trichlorotrifluoroethane	20	20.9	ug/Kg	104			81	123	
	1,1-Dichloroethene	20	21.7	ug/Kg	109			79	121	
	Acetone	100	97.1	ug/Kg	97			40	171	
	Carbon disulfide	20	21.1	ug/Kg	106			59	130	
	Methyl tert-butyl Ether	20	19.0	ug/Kg	95			77	129	
	Methyl Acetate	20	17.5	ug/Kg	88			69	149	
	Methylene Chloride	20	19.0	ug/Kg	95			72	131	
	trans-1,2-Dichloroethene	20	21.0	ug/Kg	105			80	123	
	1,1-Dichloroethane	20	20.8	ug/Kg	104			82	123	
	Cyclohexane	20	19.2	ug/Kg	96			76	122	
	2-Butanone	100	87.6	ug/Kg	88			69	131	
	Carbon Tetrachloride	20	22.0	ug/Kg	110			76	129	
	cis-1,2-Dichloroethene	20	20.3	ug/Kg	102			82	123	
	Bromochloromethane	20	20.8	ug/Kg	104			80	127	
	Chloroform	20	21.5	ug/Kg	108			82	125	
	1,1,1-Trichloroethane	20	21.5	ug/Kg	108			80	126	
	Methylcyclohexane	20	19.3	ug/Kg	97			77	123	
	Benzene	20	20.9	ug/Kg	104			84	121	
	1,2-Dichloroethane	20	20.6	ug/Kg	103			81	126	
	Trichloroethene	20	20.3	ug/Kg	102			83	122	
	1,2-Dichloropropane	20	21.0	ug/Kg	105			83	122	
	Bromodichloromethane	20	22.0	ug/Kg	110			82	123	
	4-Methyl-2-Pentanone	100	92.3	ug/Kg	92			70	135	
	Toluene	20	20.8	ug/Kg	104			83	122	
	t-1,3-Dichloropropene	20	20.2	ug/Kg	101			78	124	
	cis-1,3-Dichloropropene	20	20.7	ug/Kg	104			81	122	
	1,1,2-Trichloroethane	20	20.7	ug/Kg	104			82	125	
	2-Hexanone	100	92.8	ug/Kg	93			66	138	
	Dibromochloromethane	20	21.7	ug/Kg	109			79	125	
	1,2-Dibromoethane	20	20.3	ug/Kg	102			80	125	
	Tetrachloroethene	20	20.1	ug/Kg	101			83	125	
	Chlorobenzene	20	20.2	ug/Kg	101			84	122	
	Ethyl Benzene	20	20.5	ug/Kg	103			82	124	
	m/p-Xylenes	40	41.2	ug/Kg	103			83	124	
	o-Xylene	20	19.8	ug/Kg	99			83	123	
	Styrene	20	21.1	ug/Kg	106			82	124	
	Bromoform	20	21.5	ug/Kg	108			75	127	
	Isopropylbenzene	20	19.8	ug/Kg	99			82	124	
	1,1,2,2-Tetrachloroethane	20	18.9	ug/Kg	95			77	127	
	1,3-Dichlorobenzene	20	20.4	ug/Kg	102			83	122	
	1,4-Dichlorobenzene	20	20.3	ug/Kg	102			84	121	
	1,2-Dichlorobenzene	20	20.0	ug/Kg	100			83	124	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3363 **Analytical Method:** SW8260D

Client: AECOM **Datafile :** VW032380.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VW1020SBS01	1,2-Dibromo-3-Chloropropane	20	18.4	ug/Kg	92			66	134	
	1,2,4-Trichlorobenzene	20	19.2	ug/Kg	96			78	127	
	1,2,3-Trichlorobenzene	20	19.0	ug/Kg	95			70	137	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3363 **Analytical Method:** SW8260D

Client: AECOM **Datafile :** VY023483.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1016SBS01	Dichlorodifluoromethane	20	21.5	ug/Kg	108			64	136	
	Chloromethane	20	19.9	ug/Kg	100			52	151	
	Vinyl chloride	20	20.1	ug/Kg	101			56	148	
	Bromomethane	20	22.5	ug/Kg	113			58	141	
	Chloroethane	20	21.3	ug/Kg	106			69	130	
	Trichlorofluoromethane	20	21.1	ug/Kg	106			69	134	
	1,1,2-Trichlorotrifluoroethane	20	22.2	ug/Kg	111			81	123	
	1,1-Dichloroethene	20	20.6	ug/Kg	103			79	121	
	Acetone	100	150	ug/Kg	150			40	171	
	Carbon disulfide	20	20.7	ug/Kg	104			59	130	
	Methyl tert-butyl Ether	20	20.2	ug/Kg	101			77	129	
	Methyl Acetate	20	18.9	ug/Kg	95			69	149	
	Methylene Chloride	20	20.2	ug/Kg	101			72	131	
	trans-1,2-Dichloroethene	20	21.1	ug/Kg	106			80	123	
	1,1-Dichloroethane	20	21.2	ug/Kg	106			82	123	
	Cyclohexane	20	19.6	ug/Kg	98			76	122	
	2-Butanone	100	130	ug/Kg	130			69	131	
	Carbon Tetrachloride	20	21.8	ug/Kg	109			76	129	
	cis-1,2-Dichloroethene	20	20.8	ug/Kg	104			82	123	
	Bromochloromethane	20	21.6	ug/Kg	108			80	127	
	Chloroform	20	21.6	ug/Kg	108			82	125	
	1,1,1-Trichloroethane	20	21.3	ug/Kg	106			80	126	
	Methylcyclohexane	20	20.0	ug/Kg	100			77	123	
	Benzene	20	21.5	ug/Kg	108			84	121	
	1,2-Dichloroethane	20	21.3	ug/Kg	106			81	126	
	Trichloroethene	20	21.4	ug/Kg	107			83	122	
	1,2-Dichloropropane	20	21.4	ug/Kg	107			83	122	
	Bromodichloromethane	20	21.9	ug/Kg	110			82	123	
	4-Methyl-2-Pentanone	100	110	ug/Kg	110			70	135	
	Toluene	20	21.7	ug/Kg	109			83	122	
	t-1,3-Dichloropropene	20	20.9	ug/Kg	104			78	124	
	cis-1,3-Dichloropropene	20	21.3	ug/Kg	106			81	122	
	1,1,2-Trichloroethane	20	22.1	ug/Kg	111			82	125	
	2-Hexanone	100	120	ug/Kg	120			66	138	
	Dibromochloromethane	20	22.0	ug/Kg	110			79	125	
	1,2-Dibromoethane	20	21.5	ug/Kg	108			80	125	
	Tetrachloroethene	20	22.2	ug/Kg	111			83	125	
	Chlorobenzene	20	21.0	ug/Kg	105			84	122	
	Ethyl Benzene	20	20.4	ug/Kg	102			82	124	
	m/p-Xylenes	40	42.1	ug/Kg	105			83	124	
	o-Xylene	20	20.4	ug/Kg	102			83	123	
	Styrene	20	21.0	ug/Kg	105			82	124	
	Bromoform	20	21.7	ug/Kg	109			75	127	
	Isopropylbenzene	20	19.6	ug/Kg	98			82	124	
	1,1,2,2-Tetrachloroethane	20	20.4	ug/Kg	102			77	127	
	1,3-Dichlorobenzene	20	20.2	ug/Kg	101			83	122	
	1,4-Dichlorobenzene	20	20.2	ug/Kg	101			84	121	
	1,2-Dichlorobenzene	20	20.3	ug/Kg	102			83	124	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3363 **Analytical Method:** SW8260D

Client: AECOM **Datafile :** VY023483.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1016SBS01	1,2-Dibromo-3-Chloropropane	20	20.5	ug/Kg	103			66	134	
	1,2,4-Trichlorobenzene	20	19.0	ug/Kg	95			78	127	
	1,2,3-Trichlorobenzene	20	18.5	ug/Kg	93			70	137	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3363 **Analytical Method:** SW8260D

Client: AECOM **Datafile :** VY023484.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1016SBSD01	Dichlorodifluoromethane	20	21.5	ug/Kg	108	0		64	136	20
	Chloromethane	20	20.3	ug/Kg	102	2		52	151	20
	Vinyl chloride	20	21.2	ug/Kg	106	5		56	148	20
	Bromomethane	20	21.6	ug/Kg	108	5		58	141	20
	Chloroethane	20	21.5	ug/Kg	108	2		69	130	20
	Trichlorofluoromethane	20	20.4	ug/Kg	102	4		69	134	20
	1,1,2-Trichlorotrifluoroethane	20	21.5	ug/Kg	108	3		81	123	20
	1,1-Dichloroethene	20	20.8	ug/Kg	104	1		79	121	20
	Acetone	100	110	ug/Kg	110	31	*	40	171	20
	Carbon disulfide	20	20.9	ug/Kg	104	0		59	130	20
	Methyl tert-butyl Ether	20	17.4	ug/Kg	87	15		77	129	20
	Methyl Acetate	20	15.3	ug/Kg	77	21	*	69	149	20
	Methylene Chloride	20	19.1	ug/Kg	96	5		72	131	20
	trans-1,2-Dichloroethene	20	21.1	ug/Kg	106	0		80	123	20
	1,1-Dichloroethane	20	20.9	ug/Kg	104	2		82	123	20
	Cyclohexane	20	19.6	ug/Kg	98	0		76	122	20
	2-Butanone	100	94.8	ug/Kg	95	31	*	69	131	20
	Carbon Tetrachloride	20	21.9	ug/Kg	110	1		76	129	20
	cis-1,2-Dichloroethene	20	20.6	ug/Kg	103	1		82	123	20
	Bromochloromethane	20	19.9	ug/Kg	100	8		80	127	20
	Chloroform	20	21.0	ug/Kg	105	3		82	125	20
	1,1,1-Trichloroethane	20	21.5	ug/Kg	108	2		80	126	20
	Methylcyclohexane	20	19.8	ug/Kg	99	1		77	123	20
	Benzene	20	21.5	ug/Kg	108	0		84	121	20
	1,2-Dichloroethane	20	19.9	ug/Kg	100	6		81	126	20
	Trichloroethene	20	21.2	ug/Kg	106	1		83	122	20
	1,2-Dichloropropane	20	21.0	ug/Kg	105	2		83	122	20
	Bromodichloromethane	20	21.2	ug/Kg	106	4		82	123	20
	4-Methyl-2-Pentanone	100	81.3	ug/Kg	81	30	*	70	135	20
	Toluene	20	21.3	ug/Kg	106	3		83	122	20
	t-1,3-Dichloropropene	20	19.3	ug/Kg	97	7		78	124	20
	cis-1,3-Dichloropropene	20	20.3	ug/Kg	102	4		81	122	20
	1,1,2-Trichloroethane	20	19.8	ug/Kg	99	11		82	125	20
	2-Hexanone	100	90.6	ug/Kg	91	27	*	66	138	20
	Dibromochloromethane	20	20.2	ug/Kg	101	9		79	125	20
	1,2-Dibromoethane	20	19.0	ug/Kg	95	13		80	125	20
	Tetrachloroethene	20	21.4	ug/Kg	107	4		83	125	20
	Chlorobenzene	20	21.1	ug/Kg	106	1		84	122	20
	Ethyl Benzene	20	20.8	ug/Kg	104	2		82	124	20
	m/p-Xylenes	40	43.1	ug/Kg	108	3		83	124	20
	o-Xylene	20	20.5	ug/Kg	103	1		83	123	20
	Styrene	20	21.1	ug/Kg	106	1		82	124	20
	Bromoform	20	19.5	ug/Kg	98	11		75	127	20
	Isopropylbenzene	20	20.9	ug/Kg	104	6		82	124	20
	1,1,2,2-Tetrachloroethane	20	18.6	ug/Kg	93	9		77	127	20
	1,3-Dichlorobenzene	20	21.0	ug/Kg	105	4		83	122	20
	1,4-Dichlorobenzene	20	21.0	ug/Kg	105	4		84	121	20
	1,2-Dichlorobenzene	20	20.5	ug/Kg	103	1		83	124	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3363 **Analytical Method:** SW8260D

Client: AECOM **Datafile :** VY023484.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1016SBSD01	1,2-Dibromo-3-Chloropropane	20	17.1	ug/Kg	86	18		66	134	20
	1,2,4-Trichlorobenzene	20	18.3	ug/Kg	92	3		78	127	20
	1,2,3-Trichlorobenzene	20	17.9	ug/Kg	90	3		70	137	20

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VOLATILE METHOD BLANK SUMMARY

Client ID: VW1020SBL01

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG NO.: Q3363

Lab File ID: VW032379.D Lab Sample ID: VW1020SBL01

Date Analyzed: 10/20/2025 Time Analyzed: 11:11

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: MSVOA_W

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VW1020SBS01	VW1020SBS01	VW032380.D	10/20/2025
COMP01-20251015	Q3363-05	VW032382.D	10/20/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

Client ID: VY1016SBL01

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG NO.: Q3363

Lab File ID: VY023482.D Lab Sample ID: VY1016SBL01

Date Analyzed: 10/16/2025 Time Analyzed: 09:46

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: MSVOA_Y

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VY1016SBS01	VY1016SBS01	VY023483.D	10/16/2025
VY1016SBSD01	VY1016SBSD01	VY023484.D	10/16/2025
PR132-SO1-085011-20251015	Q3363-01	VY023486.D	10/16/2025
PR132-SO1-039085-20251015	Q3363-02	VY023487.D	10/16/2025
PR132-SO3-028010-20251015	Q3363-03	VY023488.D	10/16/2025
PR132-SO3-010013-20251015	Q3363-04	VY023489.D	10/16/2025

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: AECO02

Lab Code: ACE | SDG NO.: Q3363

Lab File ID: VW032312.D | BFB Injection Date: 10/01/2025

Instrument ID: MSVOA_W | BFB Injection Time: 08:12

GC Column: RXI-624 ID: 0.25 (mm) | Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.3
75	30.0 - 60.0% of mass 95	51.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	66.2
175	5.0 - 9.0% of mass 174	5.3 (8) 1
176	95.0 - 101.0% of mass 174	63.3 (95.6) 1
177	5.0 - 9.0% of mass 176	4.2 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VW032313.D	10/01/2025	13:12
VSTDICC010	VSTDICC010	VW032314.D	10/01/2025	13:34
VSTDICC020	VSTDICC020	VW032315.D	10/01/2025	14:15
VSTDICCC050	VSTDICCC050	VW032316.D	10/01/2025	14:37
VSTDICC100	VSTDICC100	VW032317.D	10/01/2025	14:59
VSTDICC150	VSTDICC150	VW032318.D	10/01/2025	15:20

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: AECO02

Lab Code: ACE | SDG NO.: Q3363

Lab File ID: VW032377.D | BFB Injection Date: 10/20/2025

Instrument ID: MSVOA_W | BFB Injection Time: 09:36

GC Column: RXI-624 ID: 0.25 (mm) | Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.6
75	30.0 - 60.0% of mass 95	51.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.3 (0.5) 1
174	50.0 - 100.0% of mass 95	66.2
175	5.0 - 9.0% of mass 174	5.2 (7.8) 1
176	95.0 - 101.0% of mass 174	63.7 (96.2) 1
177	5.0 - 9.0% of mass 176	4.5 (7) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VW032378.D	10/20/2025	10:20
VW1020SBL01	VW1020SBL01	VW032379.D	10/20/2025	11:11
VW1020SBS01	VW1020SBS01	VW032380.D	10/20/2025	11:41
COMP01-20251015	Q3363-05	VW032382.D	10/20/2025	12:44

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A B C D E F G

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: AECO02

Lab Code: ACE | SDG NO.: Q3363

Lab File ID: VY023383.D | BFB Injection Date: 10/07/2025

Instrument ID: MSVOA_Y | BFB Injection Time: 08:43

GC Column: RXI-624 ID: 0.25 (mm) | Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.9
75	30.0 - 60.0% of mass 95	48.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.9 (0.9) 1
174	50.0 - 100.0% of mass 95	99.1
175	5.0 - 9.0% of mass 174	7.3 (7.4) 1
176	95.0 - 101.0% of mass 174	95.4 (96.2) 1
177	5.0 - 9.0% of mass 176	6.3 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VY023384.D	10/07/2025	09:17
VSTDICC010	VSTDICC010	VY023385.D	10/07/2025	10:02
VSTDICC020	VSTDICC020	VY023386.D	10/07/2025	11:24
VSTDICCC050	VSTDICCC050	VY023387.D	10/07/2025	11:47
VSTDICC100	VSTDICC100	VY023388.D	10/07/2025	12:09
VSTDICC150	VSTDICC150	VY023389.D	10/07/2025	12:32

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: AECO02

Lab Code: ACE | SDG NO.: Q3363

Lab File ID: VY023480.D | BFB Injection Date: 10/16/2025

Instrument ID: MSVOA_Y | BFB Injection Time: 08:42

GC Column: RXI-624 ID: 0.25 (mm) | Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.3
75	30.0 - 60.0% of mass 95	49.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	1.1 (1.2) 1
174	50.0 - 100.0% of mass 95	93.5
175	5.0 - 9.0% of mass 174	7 (7.5) 1
176	95.0 - 101.0% of mass 174	90 (96.3) 1
177	5.0 - 9.0% of mass 176	6.2 (6.8) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY023481.D	10/16/2025	09:12
VY1016SBL01	VY1016SBL01	VY023482.D	10/16/2025	09:46
VY1016SBS01	VY1016SBS01	VY023483.D	10/16/2025	10:17
VY1016SBSD01	VY1016SBSD01	VY023484.D	10/16/2025	10:40
PR132-SO1-085011-20251015	Q3363-01	VY023486.D	10/16/2025	12:57
PR132-SO1-039085-20251015	Q3363-02	VY023487.D	10/16/2025	13:27
PR132-SO3-028010-20251015	Q3363-03	VY023488.D	10/16/2025	13:51
PR132-SO3-010013-20251015	Q3363-04	VY023489.D	10/16/2025	14:14

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG NO.: Q3363

Lab File ID: VW032378.D Date Analyzed: 10/20/2025

Instrument ID: MSVOA_W Time Analyzed: 10:20

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	276051	7.97	500417	8.86	466876	11.63
UPPER LIMIT	552102	8.465	1000830	9.355	933752	12.129
LOWER LIMIT	138026	7.465	250209	8.355	233438	11.129
EPA SAMPLE NO.						
COMP01-20251015	173392	7.96	385425	8.85	401644	11.63
VW1020SBL01	172114	7.96	392797	8.85	400571	11.63
VW1020SBS01	280998	7.96	517149	8.85	480746	11.63

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG NO.: Q3363

Lab File ID: VW032378.D Date Analyzed: 10/20/2025

Instrument ID: MSVOA_W Time Analyzed: 10:20

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	234766	13.556				
UPPER LIMIT	469532	14.056				
LOWER LIMIT	117383	13.056				
EPA SAMPLE NO.						
COMP01-20251015	188999	13.56				
VW1020SBL01	188560	13.56				
VW1020SBS01	240746	13.56				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG NO.: Q3363

Lab File ID: VY023481.D Date Analyzed: 10/16/2025

Instrument ID: MSVOA_Y Time Analyzed: 09:12

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	504198	7.71	703605	8.62	622685	11.42
UPPER LIMIT	1008400	8.213	1407210	9.121	1245370	11.92
LOWER LIMIT	252099	7.213	351803	8.121	311343	10.92
EPA SAMPLE NO.						
PR132-SO1-085011-20251015	607130	7.72	1157199	8.62	1063112	11.42
PR132-SO1-039085-20251015	585385	7.71	1153355	8.62	1121069	11.42
PR132-SO3-028010-20251015	618759	7.71	1206292	8.62	1183423	11.42
PR132-SO3-010013-20251015	632583	7.71	1213308	8.62	1199753	11.42
VY1016SBL01	529968	7.71	1064919	8.62	1102445	11.42
VY1016SBS01	512746	7.71	747160	8.62	665790	11.42
VY1016SBSD01	502001	7.71	735573	8.62	641486	11.42

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG NO.: Q3363

Lab File ID: VY023481.D Date Analyzed: 10/16/2025

Instrument ID: MSVOA_Y Time Analyzed: 09:12

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	326705	13.346				
UPPER LIMIT	653410	13.846				
LOWER LIMIT	163353	12.846				
EPA SAMPLE NO.						
PR132-SO1-085011-20251015	376450	13.35				
PR132-SO1-039085-20251015	423616	13.35				
PR132-SO3-028010-20251015	475817	13.35				
PR132-SO3-010013-20251015	468564	13.35				
VY1016SBL01	465964	13.35				
VY1016SBS01	360043	13.35				
VY1016SBSD01	331485	13.35				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

QC SAMPLE DATA

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	VW1020SBL01	SDG No.:	Q3363
Lab Sample ID:	VW1020SBL01	Matrix:	SOIL
Analytical Method:	8260D	Level : LOW	% Solid: 100
Sample Wt/Vol:	5 g	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	5.00	U	1	1.10	5.00	ug/Kg	10/20/25 11:11	VW102025
74-87-3	Chloromethane	5.00	U	1	1.10	5.00	ug/Kg	10/20/25 11:11	VW102025
75-01-4	Vinyl Chloride	5.00	U	1	0.79	5.00	ug/Kg	10/20/25 11:11	VW102025
74-83-9	Bromomethane	5.00	U	1	1.10	5.00	ug/Kg	10/20/25 11:11	VW102025
75-00-3	Chloroethane	5.00	U	1	1.30	5.00	ug/Kg	10/20/25 11:11	VW102025
75-69-4	Trichlorofluoromethane	5.00	U	1	1.20	5.00	ug/Kg	10/20/25 11:11	VW102025
76-13-1	1,1,2-Trichlorotrifluoroethane	5.00	U	1	1.10	5.00	ug/Kg	10/20/25 11:11	VW102025
75-35-4	1,1-Dichloroethene	5.00	U	1	1.00	5.00	ug/Kg	10/20/25 11:11	VW102025
67-64-1	Acetone	25.0	U	1	4.70	25.0	ug/Kg	10/20/25 11:11	VW102025
75-15-0	Carbon Disulfide	5.00	U	1	1.10	5.00	ug/Kg	10/20/25 11:11	VW102025
1634-04-4	Methyl tert-butyl Ether	5.00	U	1	0.73	5.00	ug/Kg	10/20/25 11:11	VW102025
79-20-9	Methyl Acetate	5.00	U	1	1.50	5.00	ug/Kg	10/20/25 11:11	VW102025
75-09-2	Methylene Chloride	10.0	U	1	3.50	10.0	ug/Kg	10/20/25 11:11	VW102025
156-60-5	trans-1,2-Dichloroethene	5.00	U	1	0.86	5.00	ug/Kg	10/20/25 11:11	VW102025
75-34-3	1,1-Dichloroethane	5.00	U	1	0.80	5.00	ug/Kg	10/20/25 11:11	VW102025
110-82-7	Cyclohexane	5.00	U	1	0.79	5.00	ug/Kg	10/20/25 11:11	VW102025
78-93-3	2-Butanone	25.0	U	1	6.50	25.0	ug/Kg	10/20/25 11:11	VW102025
56-23-5	Carbon Tetrachloride	5.00	U	1	0.97	5.00	ug/Kg	10/20/25 11:11	VW102025
156-59-2	cis-1,2-Dichloroethene	5.00	U	1	0.75	5.00	ug/Kg	10/20/25 11:11	VW102025
74-97-5	Bromochloromethane	5.00	U	1	1.20	5.00	ug/Kg	10/20/25 11:11	VW102025
67-66-3	Chloroform	5.00	U	1	0.84	5.00	ug/Kg	10/20/25 11:11	VW102025
71-55-6	1,1,1-Trichloroethane	5.00	U	1	0.93	5.00	ug/Kg	10/20/25 11:11	VW102025
108-87-2	Methylcyclohexane	5.00	U	1	0.91	5.00	ug/Kg	10/20/25 11:11	VW102025
71-43-2	Benzene	5.00	U	1	0.79	5.00	ug/Kg	10/20/25 11:11	VW102025
107-06-2	1,2-Dichloroethane	5.00	U	1	0.79	5.00	ug/Kg	10/20/25 11:11	VW102025
79-01-6	Trichloroethene	5.00	U	1	0.81	5.00	ug/Kg	10/20/25 11:11	VW102025
78-87-5	1,2-Dichloropropane	5.00	U	1	0.91	5.00	ug/Kg	10/20/25 11:11	VW102025
75-27-4	Bromodichloromethane	5.00	U	1	0.78	5.00	ug/Kg	10/20/25 11:11	VW102025
108-10-1	4-Methyl-2-Pentanone	25.0	U	1	3.60	25.0	ug/Kg	10/20/25 11:11	VW102025
108-88-3	Toluene	5.00	U	1	0.78	5.00	ug/Kg	10/20/25 11:11	VW102025
10061-02-6	t-1,3-Dichloropropene	5.00	U	1	0.65	5.00	ug/Kg	10/20/25 11:11	VW102025
10061-01-5	cis-1,3-Dichloropropene	5.00	U	1	0.62	5.00	ug/Kg	10/20/25 11:11	VW102025
79-00-5	1,1,2-Trichloroethane	5.00	U	1	0.92	5.00	ug/Kg	10/20/25 11:11	VW102025
591-78-6	2-Hexanone	25.0	U	1	3.70	25.0	ug/Kg	10/20/25 11:11	VW102025
124-48-1	Dibromochloromethane	5.00	U	1	0.87	5.00	ug/Kg	10/20/25 11:11	VW102025
106-93-4	1,2-Dibromoethane	5.00	U	1	0.88	5.00	ug/Kg	10/20/25 11:11	VW102025
127-18-4	Tetrachloroethene	5.00	U	1	1.10	5.00	ug/Kg	10/20/25 11:11	VW102025
108-90-7	Chlorobenzene	5.00	U	1	0.91	5.00	ug/Kg	10/20/25 11:11	VW102025
100-41-4	Ethyl Benzene	5.00	U	1	0.67	5.00	ug/Kg	10/20/25 11:11	VW102025
179601-23-1	m/p-Xylenes	10.0	U	1	1.20	10.0	ug/Kg	10/20/25 11:11	VW102025
95-47-6	o-Xylene	5.00	U	1	0.82	5.00	ug/Kg	10/20/25 11:11	VW102025
100-42-5	Styrene	5.00	U	1	0.71	5.00	ug/Kg	10/20/25 11:11	VW102025
75-25-2	Bromoform	5.00	U	1	0.86	5.00	ug/Kg	10/20/25 11:11	VW102025

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Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	VW1020SBL01	SDG No.:	Q3363
Lab Sample ID:	VW1020SBL01	Matrix:	SOIL
Analytical Method:	8260D	Level : LOW	% Solid: 100
Sample Wt/Vol:	5 g	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	5.00	U	1	0.78	5.00	ug/Kg	10/20/25 11:11	VW102025
79-34-5	1,1,2,2-Tetrachloroethane	5.00	U	1	1.20	5.00	ug/Kg	10/20/25 11:11	VW102025
541-73-1	1,3-Dichlorobenzene	5.00	U	1	1.70	5.00	ug/Kg	10/20/25 11:11	VW102025
106-46-7	1,4-Dichlorobenzene	5.00	U	1	1.60	5.00	ug/Kg	10/20/25 11:11	VW102025
95-50-1	1,2-Dichlorobenzene	5.00	U	1	1.50	5.00	ug/Kg	10/20/25 11:11	VW102025
96-12-8	1,2-Dibromo-3-Chloropropane	5.00	U	1	1.80	5.00	ug/Kg	10/20/25 11:11	VW102025
120-82-1	1,2,4-Trichlorobenzene	5.00	U	1	3.00	5.00	ug/Kg	10/20/25 11:11	VW102025
87-61-6	1,2,3-Trichlorobenzene	5.00	U	1	3.20	5.00	ug/Kg	10/20/25 11:11	VW102025
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	65.7			63 - 155	131%	SPK: 50		
1868-53-7	Dibromofluoromethane	58.2			70 - 134	116%	SPK: 50		
2037-26-5	Toluene-d8	54.5			74 - 123	109%	SPK: 50		
460-00-4	4-Bromofluorobenzene	51.8			17 - 146	104%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	172000							
540-36-3	1,4-Difluorobenzene	393000							
3114-55-4	Chlorobenzene-d5	401000							
3855-82-1	1,4-Dichlorobenzene-d4	189000							

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	VY1016SBL01	SDG No.:	Q3363
Lab Sample ID:	VY1016SBL01	Matrix:	SOIL
Analytical Method:	8260D	Level : LOW	% Solid: 100
Sample Wt/Vol:	5 g	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	5.00	U	1	1.10	5.00	ug/Kg	10/16/25 09:46	VY101625
74-87-3	Chloromethane	5.00	U	1	1.10	5.00	ug/Kg	10/16/25 09:46	VY101625
75-01-4	Vinyl Chloride	5.00	U	1	0.79	5.00	ug/Kg	10/16/25 09:46	VY101625
74-83-9	Bromomethane	5.00	U	1	1.10	5.00	ug/Kg	10/16/25 09:46	VY101625
75-00-3	Chloroethane	5.00	U	1	1.30	5.00	ug/Kg	10/16/25 09:46	VY101625
75-69-4	Trichlorofluoromethane	5.00	U	1	1.20	5.00	ug/Kg	10/16/25 09:46	VY101625
76-13-1	1,1,2-Trichlorotrifluoroethane	5.00	U	1	1.10	5.00	ug/Kg	10/16/25 09:46	VY101625
75-35-4	1,1-Dichloroethene	5.00	U	1	1.00	5.00	ug/Kg	10/16/25 09:46	VY101625
67-64-1	Acetone	25.0	U	1	4.70	25.0	ug/Kg	10/16/25 09:46	VY101625
75-15-0	Carbon Disulfide	5.00	U	1	1.10	5.00	ug/Kg	10/16/25 09:46	VY101625
1634-04-4	Methyl tert-butyl Ether	5.00	U	1	0.73	5.00	ug/Kg	10/16/25 09:46	VY101625
79-20-9	Methyl Acetate	5.00	U	1	1.50	5.00	ug/Kg	10/16/25 09:46	VY101625
75-09-2	Methylene Chloride	10.0	U	1	3.50	10.0	ug/Kg	10/16/25 09:46	VY101625
156-60-5	trans-1,2-Dichloroethene	5.00	U	1	0.86	5.00	ug/Kg	10/16/25 09:46	VY101625
75-34-3	1,1-Dichloroethane	5.00	U	1	0.80	5.00	ug/Kg	10/16/25 09:46	VY101625
110-82-7	Cyclohexane	5.00	U	1	0.79	5.00	ug/Kg	10/16/25 09:46	VY101625
78-93-3	2-Butanone	25.0	U	1	6.50	25.0	ug/Kg	10/16/25 09:46	VY101625
56-23-5	Carbon Tetrachloride	5.00	U	1	0.97	5.00	ug/Kg	10/16/25 09:46	VY101625
156-59-2	cis-1,2-Dichloroethene	5.00	U	1	0.75	5.00	ug/Kg	10/16/25 09:46	VY101625
74-97-5	Bromochloromethane	5.00	U	1	1.20	5.00	ug/Kg	10/16/25 09:46	VY101625
67-66-3	Chloroform	5.00	U	1	0.84	5.00	ug/Kg	10/16/25 09:46	VY101625
71-55-6	1,1,1-Trichloroethane	5.00	U	1	0.93	5.00	ug/Kg	10/16/25 09:46	VY101625
108-87-2	Methylcyclohexane	5.00	U	1	0.91	5.00	ug/Kg	10/16/25 09:46	VY101625
71-43-2	Benzene	5.00	U	1	0.79	5.00	ug/Kg	10/16/25 09:46	VY101625
107-06-2	1,2-Dichloroethane	5.00	U	1	0.79	5.00	ug/Kg	10/16/25 09:46	VY101625
79-01-6	Trichloroethene	5.00	U	1	0.81	5.00	ug/Kg	10/16/25 09:46	VY101625
78-87-5	1,2-Dichloropropane	5.00	U	1	0.91	5.00	ug/Kg	10/16/25 09:46	VY101625
75-27-4	Bromodichloromethane	5.00	U	1	0.78	5.00	ug/Kg	10/16/25 09:46	VY101625
108-10-1	4-Methyl-2-Pentanone	25.0	U	1	3.60	25.0	ug/Kg	10/16/25 09:46	VY101625
108-88-3	Toluene	5.00	U	1	0.78	5.00	ug/Kg	10/16/25 09:46	VY101625
10061-02-6	t-1,3-Dichloropropene	5.00	U	1	0.65	5.00	ug/Kg	10/16/25 09:46	VY101625
10061-01-5	cis-1,3-Dichloropropene	5.00	U	1	0.62	5.00	ug/Kg	10/16/25 09:46	VY101625
79-00-5	1,1,2-Trichloroethane	5.00	U	1	0.92	5.00	ug/Kg	10/16/25 09:46	VY101625
591-78-6	2-Hexanone	25.0	U	1	3.70	25.0	ug/Kg	10/16/25 09:46	VY101625
124-48-1	Dibromochloromethane	5.00	U	1	0.87	5.00	ug/Kg	10/16/25 09:46	VY101625
106-93-4	1,2-Dibromoethane	5.00	U	1	0.88	5.00	ug/Kg	10/16/25 09:46	VY101625
127-18-4	Tetrachloroethene	5.00	U	1	1.10	5.00	ug/Kg	10/16/25 09:46	VY101625
108-90-7	Chlorobenzene	5.00	U	1	0.91	5.00	ug/Kg	10/16/25 09:46	VY101625
100-41-4	Ethyl Benzene	5.00	U	1	0.67	5.00	ug/Kg	10/16/25 09:46	VY101625
179601-23-1	m/p-Xylenes	10.0	U	1	1.20	10.0	ug/Kg	10/16/25 09:46	VY101625
95-47-6	o-Xylene	5.00	U	1	0.82	5.00	ug/Kg	10/16/25 09:46	VY101625
100-42-5	Styrene	5.00	U	1	0.71	5.00	ug/Kg	10/16/25 09:46	VY101625
75-25-2	Bromoform	5.00	U	1	0.86	5.00	ug/Kg	10/16/25 09:46	VY101625

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Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	VY1016SBL01	SDG No.:	Q3363
Lab Sample ID:	VY1016SBL01	Matrix:	SOIL
Analytical Method:	8260D	Level : LOW	% Solid: 100
Sample Wt/Vol:	5 g	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	5.00	U	1	0.78	5.00	ug/Kg	10/16/25 09:46	VY101625
79-34-5	1,1,2,2-Tetrachloroethane	5.00	U	1	1.20	5.00	ug/Kg	10/16/25 09:46	VY101625
541-73-1	1,3-Dichlorobenzene	5.00	U	1	1.70	5.00	ug/Kg	10/16/25 09:46	VY101625
106-46-7	1,4-Dichlorobenzene	5.00	U	1	1.60	5.00	ug/Kg	10/16/25 09:46	VY101625
95-50-1	1,2-Dichlorobenzene	5.00	U	1	1.50	5.00	ug/Kg	10/16/25 09:46	VY101625
96-12-8	1,2-Dibromo-3-Chloropropane	5.00	U	1	1.80	5.00	ug/Kg	10/16/25 09:46	VY101625
120-82-1	1,2,4-Trichlorobenzene	5.00	U	1	3.00	5.00	ug/Kg	10/16/25 09:46	VY101625
87-61-6	1,2,3-Trichlorobenzene	5.00	U	1	3.20	5.00	ug/Kg	10/16/25 09:46	VY101625
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	63.0			63 - 155	126%	SPK: 50		
1868-53-7	Dibromofluoromethane	55.0			70 - 134	110%	SPK: 50		
2037-26-5	Toluene-d8	53.4			74 - 123	107%	SPK: 50		
460-00-4	4-Bromofluorobenzene	53.5			17 - 146	107%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	530000							
540-36-3	1,4-Difluorobenzene	1060000							
3114-55-4	Chlorobenzene-d5	1100000							
3855-82-1	1,4-Dichlorobenzene-d4	466000							

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	VW1020SBS01	SDG No.:	Q3363
Lab Sample ID:	VW1020SBS01	Matrix:	SOIL
Analytical Method:	8260D	Level : LOW	% Solid: 100
Sample Wt/Vol:	5 g	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	19.9		1	1.10	5.00	ug/Kg	10/20/25 11:41	VW102025
74-87-3	Chloromethane	20.1		1	1.10	5.00	ug/Kg	10/20/25 11:41	VW102025
75-01-4	Vinyl Chloride	22.1		1	0.79	5.00	ug/Kg	10/20/25 11:41	VW102025
74-83-9	Bromomethane	21.1		1	1.10	5.00	ug/Kg	10/20/25 11:41	VW102025
75-00-3	Chloroethane	21.4		1	1.30	5.00	ug/Kg	10/20/25 11:41	VW102025
75-69-4	Trichlorofluoromethane	19.4		1	1.20	5.00	ug/Kg	10/20/25 11:41	VW102025
76-13-1	1,1,2-Trichlorotrifluoroethane	20.9		1	1.10	5.00	ug/Kg	10/20/25 11:41	VW102025
75-35-4	1,1-Dichloroethene	21.7		1	1.00	5.00	ug/Kg	10/20/25 11:41	VW102025
67-64-1	Acetone	97.1		1	4.70	25.0	ug/Kg	10/20/25 11:41	VW102025
75-15-0	Carbon Disulfide	21.1		1	1.10	5.00	ug/Kg	10/20/25 11:41	VW102025
1634-04-4	Methyl tert-butyl Ether	19.0		1	0.73	5.00	ug/Kg	10/20/25 11:41	VW102025
79-20-9	Methyl Acetate	17.5		1	1.50	5.00	ug/Kg	10/20/25 11:41	VW102025
75-09-2	Methylene Chloride	19.0		1	3.50	10.0	ug/Kg	10/20/25 11:41	VW102025
156-60-5	trans-1,2-Dichloroethene	21.0		1	0.86	5.00	ug/Kg	10/20/25 11:41	VW102025
75-34-3	1,1-Dichloroethane	20.8		1	0.80	5.00	ug/Kg	10/20/25 11:41	VW102025
110-82-7	Cyclohexane	19.2		1	0.79	5.00	ug/Kg	10/20/25 11:41	VW102025
78-93-3	2-Butanone	87.6		1	6.50	25.0	ug/Kg	10/20/25 11:41	VW102025
56-23-5	Carbon Tetrachloride	22.0		1	0.97	5.00	ug/Kg	10/20/25 11:41	VW102025
156-59-2	cis-1,2-Dichloroethene	20.3		1	0.75	5.00	ug/Kg	10/20/25 11:41	VW102025
74-97-5	Bromochloromethane	20.8		1	1.20	5.00	ug/Kg	10/20/25 11:41	VW102025
67-66-3	Chloroform	21.5		1	0.84	5.00	ug/Kg	10/20/25 11:41	VW102025
71-55-6	1,1,1-Trichloroethane	21.5		1	0.93	5.00	ug/Kg	10/20/25 11:41	VW102025
108-87-2	Methylcyclohexane	19.3		1	0.91	5.00	ug/Kg	10/20/25 11:41	VW102025
71-43-2	Benzene	20.9		1	0.79	5.00	ug/Kg	10/20/25 11:41	VW102025
107-06-2	1,2-Dichloroethane	20.6		1	0.79	5.00	ug/Kg	10/20/25 11:41	VW102025
79-01-6	Trichloroethene	20.3		1	0.81	5.00	ug/Kg	10/20/25 11:41	VW102025
78-87-5	1,2-Dichloropropane	21.0		1	0.91	5.00	ug/Kg	10/20/25 11:41	VW102025
75-27-4	Bromodichloromethane	22.0		1	0.78	5.00	ug/Kg	10/20/25 11:41	VW102025
108-10-1	4-Methyl-2-Pentanone	92.3		1	3.60	25.0	ug/Kg	10/20/25 11:41	VW102025
108-88-3	Toluene	20.8		1	0.78	5.00	ug/Kg	10/20/25 11:41	VW102025
10061-02-6	t-1,3-Dichloropropene	20.2		1	0.65	5.00	ug/Kg	10/20/25 11:41	VW102025
10061-01-5	cis-1,3-Dichloropropene	20.7		1	0.62	5.00	ug/Kg	10/20/25 11:41	VW102025
79-00-5	1,1,2-Trichloroethane	20.7		1	0.92	5.00	ug/Kg	10/20/25 11:41	VW102025
591-78-6	2-Hexanone	92.8		1	3.70	25.0	ug/Kg	10/20/25 11:41	VW102025
124-48-1	Dibromochloromethane	21.7		1	0.87	5.00	ug/Kg	10/20/25 11:41	VW102025
106-93-4	1,2-Dibromoethane	20.3		1	0.88	5.00	ug/Kg	10/20/25 11:41	VW102025
127-18-4	Tetrachloroethene	20.1		1	1.10	5.00	ug/Kg	10/20/25 11:41	VW102025
108-90-7	Chlorobenzene	20.2		1	0.91	5.00	ug/Kg	10/20/25 11:41	VW102025
100-41-4	Ethyl Benzene	20.5		1	0.67	5.00	ug/Kg	10/20/25 11:41	VW102025
179601-23-1	m/p-Xylenes	41.2		1	1.20	10.0	ug/Kg	10/20/25 11:41	VW102025
95-47-6	o-Xylene	19.8		1	0.82	5.00	ug/Kg	10/20/25 11:41	VW102025
100-42-5	Styrene	21.1		1	0.71	5.00	ug/Kg	10/20/25 11:41	VW102025
75-25-2	Bromoform	21.5		1	0.86	5.00	ug/Kg	10/20/25 11:41	VW102025

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Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	VW1020SBS01	SDG No.:	Q3363
Lab Sample ID:	VW1020SBS01	Matrix:	SOIL
Analytical Method:	8260D	Level : LOW	% Solid: 100
Sample Wt/Vol:	5 g	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	19.8		1	0.78	5.00	ug/Kg	10/20/25 11:41	VW102025
79-34-5	1,1,2,2-Tetrachloroethane	18.9		1	1.20	5.00	ug/Kg	10/20/25 11:41	VW102025
541-73-1	1,3-Dichlorobenzene	20.4		1	1.70	5.00	ug/Kg	10/20/25 11:41	VW102025
106-46-7	1,4-Dichlorobenzene	20.3		1	1.60	5.00	ug/Kg	10/20/25 11:41	VW102025
95-50-1	1,2-Dichlorobenzene	20.0		1	1.50	5.00	ug/Kg	10/20/25 11:41	VW102025
96-12-8	1,2-Dibromo-3-Chloropropane	18.4		1	1.80	5.00	ug/Kg	10/20/25 11:41	VW102025
120-82-1	1,2,4-Trichlorobenzene	19.2		1	3.00	5.00	ug/Kg	10/20/25 11:41	VW102025
87-61-6	1,2,3-Trichlorobenzene	19.0		1	3.20	5.00	ug/Kg	10/20/25 11:41	VW102025
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	52.1			63 - 155	104%	SPK: 50		
1868-53-7	Dibromofluoromethane	53.3			70 - 134	107%	SPK: 50		
2037-26-5	Toluene-d8	53.0			74 - 123	106%	SPK: 50		
460-00-4	4-Bromofluorobenzene	51.7			17 - 146	103%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	281000							
540-36-3	1,4-Difluorobenzene	517000							
3114-55-4	Chlorobenzene-d5	481000							
3855-82-1	1,4-Dichlorobenzene-d4	241000							

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	VY1016SBS01	SDG No.:	Q3363
Lab Sample ID:	VY1016SBS01	Matrix:	SOIL
Analytical Method:	8260D	Level : LOW	% Solid: 100
Sample Wt/Vol:	5 g	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	21.5		1	1.10	5.00	ug/Kg	10/16/25 10:17	VY101625
74-87-3	Chloromethane	19.9		1	1.10	5.00	ug/Kg	10/16/25 10:17	VY101625
75-01-4	Vinyl Chloride	20.1		1	0.79	5.00	ug/Kg	10/16/25 10:17	VY101625
74-83-9	Bromomethane	22.5		1	1.10	5.00	ug/Kg	10/16/25 10:17	VY101625
75-00-3	Chloroethane	21.3		1	1.30	5.00	ug/Kg	10/16/25 10:17	VY101625
75-69-4	Trichlorofluoromethane	21.1		1	1.20	5.00	ug/Kg	10/16/25 10:17	VY101625
76-13-1	1,1,2-Trichlorotrifluoroethane	22.2		1	1.10	5.00	ug/Kg	10/16/25 10:17	VY101625
75-35-4	1,1-Dichloroethene	20.6		1	1.00	5.00	ug/Kg	10/16/25 10:17	VY101625
67-64-1	Acetone	150		1	4.70	25.0	ug/Kg	10/16/25 10:17	VY101625
75-15-0	Carbon Disulfide	20.7		1	1.10	5.00	ug/Kg	10/16/25 10:17	VY101625
1634-04-4	Methyl tert-butyl Ether	20.2		1	0.73	5.00	ug/Kg	10/16/25 10:17	VY101625
79-20-9	Methyl Acetate	18.9		1	1.50	5.00	ug/Kg	10/16/25 10:17	VY101625
75-09-2	Methylene Chloride	20.2		1	3.50	10.0	ug/Kg	10/16/25 10:17	VY101625
156-60-5	trans-1,2-Dichloroethene	21.1		1	0.86	5.00	ug/Kg	10/16/25 10:17	VY101625
75-34-3	1,1-Dichloroethane	21.2		1	0.80	5.00	ug/Kg	10/16/25 10:17	VY101625
110-82-7	Cyclohexane	19.6		1	0.79	5.00	ug/Kg	10/16/25 10:17	VY101625
78-93-3	2-Butanone	130		1	6.50	25.0	ug/Kg	10/16/25 10:17	VY101625
56-23-5	Carbon Tetrachloride	21.8		1	0.97	5.00	ug/Kg	10/16/25 10:17	VY101625
156-59-2	cis-1,2-Dichloroethene	20.8		1	0.75	5.00	ug/Kg	10/16/25 10:17	VY101625
74-97-5	Bromochloromethane	21.6		1	1.20	5.00	ug/Kg	10/16/25 10:17	VY101625
67-66-3	Chloroform	21.6		1	0.84	5.00	ug/Kg	10/16/25 10:17	VY101625
71-55-6	1,1,1-Trichloroethane	21.3		1	0.93	5.00	ug/Kg	10/16/25 10:17	VY101625
108-87-2	Methylcyclohexane	20.0		1	0.91	5.00	ug/Kg	10/16/25 10:17	VY101625
71-43-2	Benzene	21.5		1	0.79	5.00	ug/Kg	10/16/25 10:17	VY101625
107-06-2	1,2-Dichloroethane	21.3		1	0.79	5.00	ug/Kg	10/16/25 10:17	VY101625
79-01-6	Trichloroethene	21.4		1	0.81	5.00	ug/Kg	10/16/25 10:17	VY101625
78-87-5	1,2-Dichloropropane	21.4		1	0.91	5.00	ug/Kg	10/16/25 10:17	VY101625
75-27-4	Bromodichloromethane	21.9		1	0.78	5.00	ug/Kg	10/16/25 10:17	VY101625
108-10-1	4-Methyl-2-Pentanone	110		1	3.60	25.0	ug/Kg	10/16/25 10:17	VY101625
108-88-3	Toluene	21.7		1	0.78	5.00	ug/Kg	10/16/25 10:17	VY101625
10061-02-6	t-1,3-Dichloropropene	20.9		1	0.65	5.00	ug/Kg	10/16/25 10:17	VY101625
10061-01-5	cis-1,3-Dichloropropene	21.3		1	0.62	5.00	ug/Kg	10/16/25 10:17	VY101625
79-00-5	1,1,2-Trichloroethane	22.1		1	0.92	5.00	ug/Kg	10/16/25 10:17	VY101625
591-78-6	2-Hexanone	120		1	3.70	25.0	ug/Kg	10/16/25 10:17	VY101625
124-48-1	Dibromochloromethane	22.0		1	0.87	5.00	ug/Kg	10/16/25 10:17	VY101625
106-93-4	1,2-Dibromoethane	21.5		1	0.88	5.00	ug/Kg	10/16/25 10:17	VY101625
127-18-4	Tetrachloroethene	22.2		1	1.10	5.00	ug/Kg	10/16/25 10:17	VY101625
108-90-7	Chlorobenzene	21.0		1	0.91	5.00	ug/Kg	10/16/25 10:17	VY101625
100-41-4	Ethyl Benzene	20.4		1	0.67	5.00	ug/Kg	10/16/25 10:17	VY101625
179601-23-1	m/p-Xylenes	42.1		1	1.20	10.0	ug/Kg	10/16/25 10:17	VY101625
95-47-6	o-Xylene	20.4		1	0.82	5.00	ug/Kg	10/16/25 10:17	VY101625
100-42-5	Styrene	21.0		1	0.71	5.00	ug/Kg	10/16/25 10:17	VY101625
75-25-2	Bromoform	21.7		1	0.86	5.00	ug/Kg	10/16/25 10:17	VY101625

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Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	VY1016SBS01	SDG No.:	Q3363
Lab Sample ID:	VY1016SBS01	Matrix:	SOIL
Analytical Method:	8260D	Level : LOW	% Solid: 100
Sample Wt/Vol:	5 g	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	19.6		1	0.78	5.00	ug/Kg	10/16/25 10:17	VY101625
79-34-5	1,1,2,2-Tetrachloroethane	20.4		1	1.20	5.00	ug/Kg	10/16/25 10:17	VY101625
541-73-1	1,3-Dichlorobenzene	20.2		1	1.70	5.00	ug/Kg	10/16/25 10:17	VY101625
106-46-7	1,4-Dichlorobenzene	20.2		1	1.60	5.00	ug/Kg	10/16/25 10:17	VY101625
95-50-1	1,2-Dichlorobenzene	20.3		1	1.50	5.00	ug/Kg	10/16/25 10:17	VY101625
96-12-8	1,2-Dibromo-3-Chloropropane	20.5		1	1.80	5.00	ug/Kg	10/16/25 10:17	VY101625
120-82-1	1,2,4-Trichlorobenzene	19.0		1	3.00	5.00	ug/Kg	10/16/25 10:17	VY101625
87-61-6	1,2,3-Trichlorobenzene	18.5		1	3.20	5.00	ug/Kg	10/16/25 10:17	VY101625
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	50.2			63 - 155	100%	SPK: 50		
1868-53-7	Dibromofluoromethane	52.3			70 - 134	105%	SPK: 50		
2037-26-5	Toluene-d8	52.1			74 - 123	104%	SPK: 50		
460-00-4	4-Bromofluorobenzene	51.1			17 - 146	102%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	513000							
540-36-3	1,4-Difluorobenzene	747000							
3114-55-4	Chlorobenzene-d5	666000							
3855-82-1	1,4-Dichlorobenzene-d4	360000							

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	VY1016SBSD01	SDG No.:	Q3363
Lab Sample ID:	VY1016SBSD01	Matrix:	SOIL
Analytical Method:	8260D	Level : LOW	% Solid: 100
Sample Wt/Vol:	5 g	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	21.5		1	1.10	5.00	ug/Kg	10/16/25 10:40	VY101625
74-87-3	Chloromethane	20.3		1	1.10	5.00	ug/Kg	10/16/25 10:40	VY101625
75-01-4	Vinyl Chloride	21.2		1	0.79	5.00	ug/Kg	10/16/25 10:40	VY101625
74-83-9	Bromomethane	21.6		1	1.10	5.00	ug/Kg	10/16/25 10:40	VY101625
75-00-3	Chloroethane	21.5		1	1.30	5.00	ug/Kg	10/16/25 10:40	VY101625
75-69-4	Trichlorofluoromethane	20.4		1	1.20	5.00	ug/Kg	10/16/25 10:40	VY101625
76-13-1	1,1,2-Trichlorotrifluoroethane	21.5		1	1.10	5.00	ug/Kg	10/16/25 10:40	VY101625
75-35-4	1,1-Dichloroethene	20.8		1	1.00	5.00	ug/Kg	10/16/25 10:40	VY101625
67-64-1	Acetone	110		1	4.70	25.0	ug/Kg	10/16/25 10:40	VY101625
75-15-0	Carbon Disulfide	20.9		1	1.10	5.00	ug/Kg	10/16/25 10:40	VY101625
1634-04-4	Methyl tert-butyl Ether	17.4		1	0.73	5.00	ug/Kg	10/16/25 10:40	VY101625
79-20-9	Methyl Acetate	15.3		1	1.50	5.00	ug/Kg	10/16/25 10:40	VY101625
75-09-2	Methylene Chloride	19.1		1	3.50	10.0	ug/Kg	10/16/25 10:40	VY101625
156-60-5	trans-1,2-Dichloroethene	21.1		1	0.86	5.00	ug/Kg	10/16/25 10:40	VY101625
75-34-3	1,1-Dichloroethane	20.9		1	0.80	5.00	ug/Kg	10/16/25 10:40	VY101625
110-82-7	Cyclohexane	19.6		1	0.79	5.00	ug/Kg	10/16/25 10:40	VY101625
78-93-3	2-Butanone	94.8		1	6.50	25.0	ug/Kg	10/16/25 10:40	VY101625
56-23-5	Carbon Tetrachloride	21.9		1	0.97	5.00	ug/Kg	10/16/25 10:40	VY101625
156-59-2	cis-1,2-Dichloroethene	20.6		1	0.75	5.00	ug/Kg	10/16/25 10:40	VY101625
74-97-5	Bromochloromethane	19.9		1	1.20	5.00	ug/Kg	10/16/25 10:40	VY101625
67-66-3	Chloroform	21.0		1	0.84	5.00	ug/Kg	10/16/25 10:40	VY101625
71-55-6	1,1,1-Trichloroethane	21.5		1	0.93	5.00	ug/Kg	10/16/25 10:40	VY101625
108-87-2	Methylcyclohexane	19.8		1	0.91	5.00	ug/Kg	10/16/25 10:40	VY101625
71-43-2	Benzene	21.5		1	0.79	5.00	ug/Kg	10/16/25 10:40	VY101625
107-06-2	1,2-Dichloroethane	19.9		1	0.79	5.00	ug/Kg	10/16/25 10:40	VY101625
79-01-6	Trichloroethene	21.2		1	0.81	5.00	ug/Kg	10/16/25 10:40	VY101625
78-87-5	1,2-Dichloropropane	21.0		1	0.91	5.00	ug/Kg	10/16/25 10:40	VY101625
75-27-4	Bromodichloromethane	21.2		1	0.78	5.00	ug/Kg	10/16/25 10:40	VY101625
108-10-1	4-Methyl-2-Pentanone	81.3		1	3.60	25.0	ug/Kg	10/16/25 10:40	VY101625
108-88-3	Toluene	21.3		1	0.78	5.00	ug/Kg	10/16/25 10:40	VY101625
10061-02-6	t-1,3-Dichloropropene	19.3		1	0.65	5.00	ug/Kg	10/16/25 10:40	VY101625
10061-01-5	cis-1,3-Dichloropropene	20.3		1	0.62	5.00	ug/Kg	10/16/25 10:40	VY101625
79-00-5	1,1,2-Trichloroethane	19.8		1	0.92	5.00	ug/Kg	10/16/25 10:40	VY101625
591-78-6	2-Hexanone	90.6		1	3.70	25.0	ug/Kg	10/16/25 10:40	VY101625
124-48-1	Dibromochloromethane	20.2		1	0.87	5.00	ug/Kg	10/16/25 10:40	VY101625
106-93-4	1,2-Dibromoethane	19.0		1	0.88	5.00	ug/Kg	10/16/25 10:40	VY101625
127-18-4	Tetrachloroethene	21.4		1	1.10	5.00	ug/Kg	10/16/25 10:40	VY101625
108-90-7	Chlorobenzene	21.1		1	0.91	5.00	ug/Kg	10/16/25 10:40	VY101625
100-41-4	Ethyl Benzene	20.8		1	0.67	5.00	ug/Kg	10/16/25 10:40	VY101625
179601-23-1	m/p-Xylenes	43.1		1	1.20	10.0	ug/Kg	10/16/25 10:40	VY101625
95-47-6	o-Xylene	20.5		1	0.82	5.00	ug/Kg	10/16/25 10:40	VY101625
100-42-5	Styrene	21.1		1	0.71	5.00	ug/Kg	10/16/25 10:40	VY101625
75-25-2	Bromoform	19.5		1	0.86	5.00	ug/Kg	10/16/25 10:40	VY101625

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	VY1016SBSD01	SDG No.:	Q3363
Lab Sample ID:	VY1016SBSD01	Matrix:	SOIL
Analytical Method:	8260D	Level : LOW	% Solid: 100
Sample Wt/Vol:	5 g	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	20.9		1	0.78	5.00	ug/Kg	10/16/25 10:40	VY101625
79-34-5	1,1,2,2-Tetrachloroethane	18.6		1	1.20	5.00	ug/Kg	10/16/25 10:40	VY101625
541-73-1	1,3-Dichlorobenzene	21.0		1	1.70	5.00	ug/Kg	10/16/25 10:40	VY101625
106-46-7	1,4-Dichlorobenzene	21.0		1	1.60	5.00	ug/Kg	10/16/25 10:40	VY101625
95-50-1	1,2-Dichlorobenzene	20.5		1	1.50	5.00	ug/Kg	10/16/25 10:40	VY101625
96-12-8	1,2-Dibromo-3-Chloropropane	17.1		1	1.80	5.00	ug/Kg	10/16/25 10:40	VY101625
120-82-1	1,2,4-Trichlorobenzene	18.3		1	3.00	5.00	ug/Kg	10/16/25 10:40	VY101625
87-61-6	1,2,3-Trichlorobenzene	17.9		1	3.20	5.00	ug/Kg	10/16/25 10:40	VY101625
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	44.7			63 - 155	89%	SPK: 50		
1868-53-7	Dibromofluoromethane	47.6			70 - 134	95%	SPK: 50		
2037-26-5	Toluene-d8	48.2			74 - 123	96%	SPK: 50		
460-00-4	4-Bromofluorobenzene	45.5			17 - 146	91%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	502000							
540-36-3	1,4-Difluorobenzene	736000							
3114-55-4	Chlorobenzene-d5	641000							
3855-82-1	1,4-Dichlorobenzene-d4	331000							

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

CALIBRATION SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG No.: Q3363

Instrument ID: MSVOA_W Calibration Date(s): 10/01/2025 10/01/2025

Heated Purge: (Y/N) Y Calibration Time(s): 13:12 15:20

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF005 = VW032313.D RRF010 = VW032314.D RRF020 = VW032315.D
RRF050 = VW032316.D RRF100 = VW032317.D RRF150 = VW032318.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.347	0.343	0.345	0.264	0.284	0.299	0.314	11.5
Chloromethane	0.532	0.527	0.516	0.418	0.450	0.463	0.484	9.7
Vinyl Chloride	0.625	0.636	0.606	0.529	0.533	0.538	0.578	8.6
Bromomethane	0.483	0.472	0.435	0.382	0.391	0.386	0.425	10.6
Chloroethane	0.405	0.409	0.394	0.356	0.365	0.361	0.382	6.3
Trichlorofluoromethane	0.426	0.453	0.430	0.418	0.422	0.447	0.433	3.3
1,1,2-Trichlorotrifluoroethane	0.609	0.569	0.524	0.465	0.469	0.478	0.519	11.5
1,1-Dichloroethene	0.588	0.608	0.595	0.521	0.534	0.535	0.564	6.7
Acetone	0.235	0.230	0.209	0.183	0.174	0.181	0.202	13.1
Carbon Disulfide	1.581	1.583	1.581	1.442	1.517	1.521	1.538	3.7
Methyl tert-butyl Ether	1.087	1.161	1.150	1.069	1.094	1.099	1.110	3.3
Methyl Acetate	0.478	0.597	0.612	0.624	0.567	0.592	0.578	9.1
Methylene Chloride	1.280	1.052	0.811	0.631	0.630	0.625	0.838	32.6
trans-1,2-Dichloroethene	0.649	0.640	0.636	0.589	0.613	0.617	0.624	3.6
1,1-Dichloroethane	1.238	1.261	1.244	1.132	1.169	1.172	1.203	4.3
Cyclohexane	1.228	1.108	1.042	0.911	0.931	0.939	1.027	12.1
2-Butanone	0.271	0.293	0.286	0.262	0.262	0.277	0.275	4.6
Carbon Tetrachloride	0.446	0.441	0.427	0.403	0.434	0.429	0.430	3.5
cis-1,2-Dichloroethene	0.768	0.763	0.766	0.716	0.740	0.744	0.749	2.7
Bromochloromethane	0.566	0.588	0.583	0.547	0.553	0.557	0.566	2.9
Chloroform	1.257	1.275	1.271	1.146	1.191	1.178	1.220	4.5
1,1,1-Trichloroethane	0.906	0.910	0.896	0.816	0.835	0.822	0.864	5.1
Methylcyclohexane	0.585	0.542	0.529	0.521	0.568	0.561	0.551	4.5
Benzene	1.518	1.494	1.440	1.345	1.424	1.373	1.432	4.7
1,2-Dichloroethane	0.487	0.497	0.472	0.442	0.461	0.453	0.469	4.4
Trichloroethene	0.354	0.348	0.330	0.312	0.339	0.329	0.335	4.5
1,2-Dichloropropane	0.370	0.371	0.363	0.341	0.355	0.346	0.358	3.4
Bromodichloromethane	0.507	0.517	0.500	0.480	0.513	0.500	0.503	2.6
4-Methyl-2-Pentanone	0.289	0.325	0.318	0.312	0.314	0.317	0.313	3.9
Toluene	0.909	0.905	0.897	0.857	0.908	0.876	0.892	2.4

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG No.: Q3363

Instrument ID: MSVOA_W Calibration Date(s): 10/01/2025 10/01/2025

Heated Purge: (Y/N) Y Calibration Time(s): 13:12 15:20

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF005 = VW032313.D RRF010 = VW032314.D RRF020 = VW032315.D
RRF050 = VW032316.D RRF100 = VW032317.D RRF150 = VW032318.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.451	0.482	0.469	0.478	0.525	0.523	0.488	6.1
cis-1,3-Dichloropropene	0.531	0.571	0.550	0.544	0.591	0.584	0.562	4.2
1,1,2-Trichloroethane	0.304	0.307	0.295	0.280	0.293	0.285	0.294	3.6
2-Hexanone	0.202	0.225	0.226	0.219	0.223	0.228	0.220	4.4
Dibromochloromethane	0.317	0.327	0.334	0.326	0.355	0.343	0.334	4
1,2-Dibromoethane	0.286	0.295	0.288	0.278	0.285	0.287	0.287	2
Tetrachloroethene	0.327	0.325	0.299	0.278	0.287	0.279	0.299	7.3
Chlorobenzene	1.159	1.140	1.109	1.028	1.094	1.070	1.100	4.3
Ethyl Benzene	1.822	1.861	1.843	1.734	1.897	1.845	1.834	3
m/p-Xylenes	0.704	0.720	0.715	0.668	0.730	0.705	0.707	3
o-Xylene	0.632	0.665	0.653	0.637	0.701	0.678	0.661	3.9
Styrene	1.090	1.143	1.199	1.124	1.186	1.186	1.155	3.7
Bromoform	0.179	0.207	0.192	0.189	0.202	0.209	0.196	6
Isopropylbenzene	3.316	3.159	3.364	3.327	3.645	3.714	3.421	6.2
1,1,2,2-Tetrachloroethane	0.867	0.867	0.851	0.808	0.833	0.869	0.849	2.9
1,3-Dichlorobenzene	1.765	1.650	1.625	1.600	1.658	1.722	1.670	3.7
1,4-Dichlorobenzene	1.839	1.673	1.700	1.548	1.661	1.597	1.670	6
1,2-Dichlorobenzene	1.541	1.549	1.557	1.402	1.467	1.540	1.509	4.1
1,2-Dibromo-3-Chloropropane	0.146	0.144	0.150	0.146	0.147	0.160	0.149	3.8
1,2,4-Trichlorobenzene	0.956	0.842	0.865	0.833	0.938	0.997	0.905	7.5
1,2,3-Trichlorobenzene	0.893	0.818	0.839	0.810	0.864	0.895	0.853	4.3
1,2-Dichloroethane-d4	0.738	0.758	0.765	0.695	0.714	0.706	0.729	4
Dibromofluoromethane	0.331	0.335	0.327	0.306	0.331	0.311	0.324	3.8
Toluene-d8	1.182	1.204	1.166	1.193	1.231	1.194	1.195	1.8
4-Bromofluorobenzene	0.472	0.449	0.436	0.448	0.459	0.446	0.452	2.8

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG No.: Q3363

Instrument ID: MSVOA_Y Calibration Date(s): 10/07/2025 10/07/2025

Heated Purge: (Y/N) Y Calibration Time(s): 09:17 12:32

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF005 = VY023384.D RRF010 = VY023385.D RRF020 = VY023386.D
RRF050 = VY023387.D RRF100 = VY023388.D RRF150 = VY023389.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.397	0.399	0.400	0.321	0.310	0.333	0.360	12
Chloromethane	0.518	0.557	0.512	0.449	0.438	0.467	0.490	9.4
Vinyl Chloride	0.660	0.684	0.659	0.598	0.597	0.633	0.639	5.6
Bromomethane	0.601	0.596	0.548	0.469	0.483	0.518	0.536	10.4
Chloroethane	0.441	0.462	0.453	0.414	0.413	0.429	0.435	4.7
Trichlorofluoromethane	0.884	0.920	0.946	0.842	0.850	0.877	0.887	4.5
1,1,2-Trichlorotrifluoroethane	0.484	0.486	0.479	0.437	0.429	0.445	0.460	5.6
1,1-Dichloroethene	0.449	0.475	0.456	0.427	0.426	0.443	0.446	4.1
Acetone	0.128	0.117	0.094	0.084	0.085	0.089	0.100	18.7
Carbon Disulfide	1.291	1.367	1.320	1.225	1.210	1.246	1.277	4.7
Methyl tert-butyl Ether	1.006	1.075	1.075	1.020	1.091	1.165	1.072	5.3
Methyl Acetate	0.244	0.265	0.260	0.245	0.266	0.286	0.261	6
Methylene Chloride	0.625	0.634	0.576	0.458	0.463	0.473	0.538	15.4
trans-1,2-Dichloroethene	0.494	0.504	0.507	0.470	0.478	0.494	0.491	2.9
1,1-Dichloroethane	0.800	0.835	0.827	0.759	0.765	0.792	0.796	3.9
Cyclohexane	0.797	0.717	0.697	0.643	0.644	0.676	0.696	8.3
2-Butanone	0.133	0.134	0.115	0.105	0.115	0.126	0.122	9.6
Carbon Tetrachloride	0.483	0.501	0.504	0.481	0.487	0.503	0.493	2.1
cis-1,2-Dichloroethene	0.542	0.584	0.582	0.542	0.563	0.591	0.567	3.8
Bromochloromethane	0.332	0.323	0.320	0.267	0.270	0.273	0.297	10.2
Chloroform	0.886	0.912	0.901	0.835	0.842	0.874	0.875	3.5
1,1,1-Trichloroethane	0.808	0.814	0.822	0.767	0.764	0.796	0.795	3.1
Methylcyclohexane	0.491	0.486	0.537	0.527	0.554	0.583	0.530	7
Benzene	1.253	1.302	1.322	1.259	1.281	1.312	1.288	2.2
1,2-Dichloroethane	0.328	0.346	0.343	0.315	0.324	0.338	0.332	3.6
Trichloroethene	0.380	0.381	0.386	0.367	0.372	0.376	0.377	1.8
1,2-Dichloropropane	0.276	0.289	0.292	0.274	0.283	0.293	0.285	2.9
Bromodichloromethane	0.440	0.463	0.459	0.439	0.449	0.468	0.453	2.7
4-Methyl-2-Pentanone	0.141	0.159	0.161	0.159	0.180	0.196	0.166	11.6
Toluene	0.777	0.818	0.855	0.827	0.855	0.885	0.836	4.5

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG No.: Q3363

Instrument ID: MSVOA_Y Calibration Date(s): 10/07/2025 10/07/2025

Heated Purge: (Y/N) Y Calibration Time(s): 09:17 12:32

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF005 = VY023384.D RRF010 = VY023385.D RRF020 = VY023386.D
RRF050 = VY023387.D RRF100 = VY023388.D RRF150 = VY023389.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.357	0.380	0.390	0.385	0.415	0.438	0.394	7.2
cis-1,3-Dichloropropene	0.424	0.460	0.465	0.455	0.481	0.505	0.465	5.9
1,1,2-Trichloroethane	0.234	0.247	0.241	0.231	0.244	0.254	0.242	3.5
2-Hexanone	0.108	0.117	0.110	0.112	0.126	0.138	0.119	9.9
Dibromochloromethane	0.319	0.337	0.340	0.327	0.347	0.365	0.339	4.7
1,2-Dibromoethane	0.215	0.229	0.231	0.223	0.237	0.249	0.231	5.2
Tetrachloroethene	0.538	0.517	0.561	0.523	0.502	0.456	0.516	6.9
Chlorobenzene	1.086	1.095	1.092	1.053	1.083	1.116	1.087	1.9
Ethyl Benzene	1.606	1.711	1.753	1.777	1.824	1.891	1.760	5.5
m/p-Xylenes	0.632	0.675	0.715	0.719	0.734	0.763	0.706	6.5
o-Xylene	0.588	0.623	0.653	0.670	0.701	0.738	0.662	8.1
Styrene	0.902	1.026	1.098	1.109	1.166	1.233	1.089	10.5
Bromoform	0.225	0.242	0.238	0.230	0.244	0.262	0.240	5.4
Isopropylbenzene	2.967	3.153	3.353	3.317	3.425	3.555	3.295	6.3
1,1,2,2-Tetrachloroethane	0.530	0.548	0.502	0.499	0.543	0.611	0.539	7.6
1,3-Dichlorobenzene	1.667	1.698	1.718	1.657	1.701	1.794	1.706	2.9
1,4-Dichlorobenzene	1.703	1.703	1.694	1.624	1.653	1.732	1.685	2.3
1,2-Dichlorobenzene	1.485	1.498	1.511	1.446	1.490	1.543	1.496	2.1
1,2-Dibromo-3-Chloropropane	0.087	0.093	0.083	0.083	0.088	0.096	0.088	6.2
1,2,4-Trichlorobenzene	0.846	0.867	0.901	0.918	1.007	1.054	0.932	8.7
1,2,3-Trichlorobenzene	0.719	0.753	0.795	0.793	0.866	0.920	0.808	9.1
1,2-Dichloroethane-d4	0.455	0.436	0.429	0.392	0.392	0.405	0.418	6.2
Dibromofluoromethane	0.311	0.314	0.317	0.298	0.299	0.303	0.307	2.6
Toluene-d8	1.132	1.170	1.177	1.129	1.122	1.135	1.144	2
4-Bromofluorobenzene	0.401	0.370	0.373	0.365	0.372	0.386	0.378	3.5

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: AECO02
Lab Code: ACE
SDG No.: Q3363
Instrument ID: MSVOA_W
Calibration Date/Time: 10/20/2025 10:20
Lab File ID: VW032378.D
Init. Calib. Date(s): 10/01/2025 10/01/2025
Heated Purge: (Y/N) Y
Init. Calib. Time(s): 13:12 15:20
GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.314	0.311		-0.95	20
Chloromethane	0.484	0.459	0.1	-5.16	20
Vinyl Chloride	0.578	0.608		5.19	20
Bromomethane	0.425	0.444		4.47	20
Chloroethane	0.382	0.416		8.9	20
Trichlorofluoromethane	0.433	0.501		15.7	20
1,1,2-Trichlorotrifluoroethane	0.519	0.563		8.48	20
1,1-Dichloroethene	0.564	0.625		10.82	20
Acetone	0.202	0.196		-2.97	20
Carbon Disulfide	1.538	1.711		11.25	20
Methyl tert-butyl Ether	1.110	1.198		7.93	20
Methyl Acetate	0.578	0.649		12.28	20
Methylene Chloride	0.838	0.723		-13.72	20
trans-1,2-Dichloroethene	0.624	0.698		11.86	20
1,1-Dichloroethane	1.203	1.322	0.1	9.89	20
Cyclohexane	1.027	1.031		0.39	20
2-Butanone	0.275	0.276		0.36	20
Carbon Tetrachloride	0.430	0.504		17.21	20
cis-1,2-Dichloroethene	0.749	0.820		9.48	20
Bromochloromethane	0.566	0.610		7.77	20
Chloroform	1.220	1.377		12.87	20
1,1,1-Trichloroethane	0.864	0.981		13.54	20
Methylcyclohexane	0.551	0.593		7.62	20
Benzene	1.432	1.599		11.66	20
1,2-Dichloroethane	0.469	0.515		9.81	20
Trichloroethene	0.335	0.366		9.25	20
1,2-Dichloropropane	0.358	0.402		12.29	20
Bromodichloromethane	0.503	0.597		18.69	20
4-Methyl-2-Pentanone	0.313	0.344		9.9	20
Toluene	0.892	1.027		15.14	20
t-1,3-Dichloropropene	0.488	0.563		15.37	20
cis-1,3-Dichloropropene	0.562	0.643		14.41	20
1,1,2-Trichloroethane	0.294	0.336		14.29	20
2-Hexanone	0.220	0.244		10.91	20
Dibromochloromethane	0.334	0.413		23.65	20
1,2-Dibromoethane	0.287	0.319		11.15	20
Tetrachloroethene	0.299	0.315		5.35	20
Chlorobenzene	1.100	1.171	0.3	6.45	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG No.: Q3363

Instrument ID: MSVOA_W Calibration Date/Time: 10/20/2025 10:20

Lab File ID: VW032378.D Init. Calib. Date(s): 10/01/2025 10/01/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 13:12 15:20

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.834	2.060		12.32	20
m/p-Xylenes	0.707	0.797		12.73	20
o-Xylene	0.661	0.740		11.95	20
Styrene	1.155	1.345		16.45	20
Bromoform	0.196	0.242	0.1	23.47	20
Isopropylbenzene	3.421	3.733		9.12	20
1,1,2,2-Tetrachloroethane	0.849	0.868	0.3	2.24	20
1,3-Dichlorobenzene	1.670	1.766		5.75	20
1,4-Dichlorobenzene	1.670	1.805		8.08	20
1,2-Dichlorobenzene	1.509	1.604		6.3	20
1,2-Dibromo-3-Chloropropane	0.149	0.158		6.04	20
1,2,4-Trichlorobenzene	0.905	0.957		5.75	20
1,2,3-Trichlorobenzene	0.853	0.902		5.74	20
1,2-Dichloroethane-d4	0.729	0.743		1.92	20
Dibromofluoromethane	0.324	0.347		7.1	20
Toluene-d8	1.195	1.278		6.95	20
4-Bromofluorobenzene	0.452	0.470		3.98	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: AECO02
Lab Code: ACE
SDG No.: Q3363
Instrument ID: MSVOA_Y
Calibration Date/Time: 10/16/2025 09:12
Lab File ID: VY023481.D
Init. Calib. Date(s): 10/07/2025 10/07/2025
Heated Purge: (Y/N) Y
Init. Calib. Time(s): 09:17 12:32
GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.360	0.335		-6.94	20
Chloromethane	0.490	0.458	0.1	-6.53	20
Vinyl Chloride	0.639	0.620		-2.97	20
Bromomethane	0.536	0.501		-6.53	20
Chloroethane	0.435	0.451		3.68	20
Trichlorofluoromethane	0.887	0.894		0.79	20
1,1,2-Trichlorotrifluoroethane	0.460	0.492		6.96	20
1,1-Dichloroethene	0.446	0.459		2.91	20
Acetone	0.100	0.100		0	20
Carbon Disulfide	1.277	1.314		2.9	20
Methyl tert-butyl Ether	1.072	1.019		-4.94	20
Methyl Acetate	0.261	0.259		-0.77	20
Methylene Chloride	0.538	0.501		-6.88	20
trans-1,2-Dichloroethene	0.491	0.520		5.91	20
1,1-Dichloroethane	0.796	0.843	0.1	5.91	20
Cyclohexane	0.696	0.680		-2.3	20
2-Butanone	0.122	0.109		-10.66	20
Carbon Tetrachloride	0.493	0.572		16.02	20
cis-1,2-Dichloroethene	0.567	0.607		7.05	20
Bromochloromethane	0.297	0.280		-5.72	20
Chloroform	0.875	0.939		7.31	20
1,1,1-Trichloroethane	0.795	0.854		7.42	20
Methylcyclohexane	0.530	0.590		11.32	20
Benzene	1.288	1.445		12.19	20
1,2-Dichloroethane	0.332	0.352		6.02	20
Trichloroethene	0.377	0.417		10.61	20
1,2-Dichloropropane	0.285	0.316		10.88	20
Bromodichloromethane	0.453	0.509		12.36	20
4-Methyl-2-Pentanone	0.166	0.160		-3.61	20
Toluene	0.836	0.959		14.71	20
t-1,3-Dichloropropene	0.394	0.422		7.11	20
cis-1,3-Dichloropropene	0.465	0.513		10.32	20
1,1,2-Trichloroethane	0.242	0.257		6.2	20
2-Hexanone	0.119	0.115		-3.36	20
Dibromochloromethane	0.339	0.367		8.26	20
1,2-Dibromoethane	0.231	0.246		6.49	20
Tetrachloroethene	0.516	0.587		13.76	20
Chlorobenzene	1.087	1.208	0.3	11.13	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG No.: Q3363

Instrument ID: MSVOA_Y Calibration Date/Time: 10/16/2025 09:12

Lab File ID: VY023481.D Init. Calib. Date(s): 10/07/2025 10/07/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 09:17 12:32

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.760	2.023		14.94	20
m/p-Xylenes	0.706	0.822		16.43	20
o-Xylene	0.662	0.755		14.05	20
Styrene	1.089	1.274		16.99	20
Bromoform	0.240	0.249	0.1	3.75	20
Isopropylbenzene	3.295	3.800		15.33	20
1,1,2,2-Tetrachloroethane	0.539	0.538	0.3	-0.19	20
1,3-Dichlorobenzene	1.706	1.877		10.02	20
1,4-Dichlorobenzene	1.685	1.803		7	20
1,2-Dichlorobenzene	1.496	1.613		7.82	20
1,2-Dibromo-3-Chloropropane	0.088	0.082		-6.82	20
1,2,4-Trichlorobenzene	0.932	0.959		2.9	20
1,2,3-Trichlorobenzene	0.808	0.811		0.37	20
1,2-Dichloroethane-d4	0.418	0.392		-6.22	20
Dibromofluoromethane	0.307	0.325		5.86	20
Toluene-d8	1.144	1.220		6.64	20
4-Bromofluorobenzene	0.378	0.390		3.17	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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LAB CHRONICLE

OrderID:	Q3363	**OrderDate:**	10/16/2025 10:56:42 AM
Client:	AECOM	**Project:**	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795 [illegible]
Contact:	Rob Forstner	**Location:**	DOCK/OOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3363-01	**PR132-SO1-085011-20251015**	**SOIL**			**10/15/25**			**10/15/25**
			SVOC-TCL BNA -20	8270E		10/17/25	10/17/25	
Q3363-02	**PR132-SO1-039085-20251015**	**SOIL**			**10/15/25**			**10/15/25**
			SVOC-TCL BNA -20	8270E		10/17/25	10/17/25	
Q3363-03	**PR132-SO3-028010-20251015**	**SOIL**			**10/15/25**			**10/15/25**
			SVOC-TCL BNA -20	8270E		10/17/25	10/17/25	
Q3363-04	**PR132-SO3-010013-20251015**	**SOIL**			**10/15/25**			**10/15/25**
			SVOC-TCL BNA -20	8270E		10/17/25	10/17/25	
Q3363-05	**COMP01-20251015**	**SOIL**			**10/15/25**			**10/15/25**
			SVOC-TCL BNA -20	8270E		10/17/25	10/17/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3363

Client: AECOM

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID :	**PR132-SO1-085011-20251015**								
Q3363-01	PR132-SO1-085011-2025	SOIL	Phenanthrene		220.000	J	41.6	340	ug/Kg
Q3363-01	PR132-SO1-085011-2025	SOIL	Fluoranthene		370.000		59.8	340	ug/Kg
Q3363-01	PR132-SO1-085011-2025	SOIL	Pyrene		340.000		71.7	340	ug/Kg
Q3363-01	PR132-SO1-085011-2025	SOIL	Benzo(a)anthracene		250.000	J	45.8	340	ug/Kg
Q3363-01	PR132-SO1-085011-2025	SOIL	Chrysene		260.000	J	39.6	340	ug/Kg
Q3363-01	PR132-SO1-085011-2025	SOIL	Benzo(b)fluoranthene		260.000	J	37.8	340	ug/Kg
Q3363-01	PR132-SO1-085011-2025	SOIL	Benzo(a)pyrene		270.000	J	58.8	340	ug/Kg
Q3363-01	PR132-SO1-085011-2025	SOIL	Benzo(g,h,i)perylene		170.000	J	51.2	340	ug/Kg
			Total Svoc :		**2,140.00**				
Q3363-01	PR132-SO1-085011-2025	SOIL	10,18-Bisnorabieta-5,7,9(10),11,1	*	820.000	J	0	0	ug/Kg
Q3363-01	PR132-SO1-085011-2025	SOIL	2-Isopropyl-10-methylphenanthre	*	390.000	J	0	0	ug/Kg
Q3363-01	PR132-SO1-085011-2025	SOIL	4b,8-Dimethyl-2-isopropylphenan	*	230.000	J	0	0	ug/Kg
Q3363-01	PR132-SO1-085011-2025	SOIL	Benzophenone	*	420.000	J	0	0	ug/Kg
Q3363-01	PR132-SO1-085011-2025	SOIL	Tridecane	*	460.000	J	0	0	ug/Kg
Q3363-01	PR132-SO1-085011-2025	SOIL	n-Hexadecanoic acid	*	530.000	J	0	0	ug/Kg
			Total Tics :		**2,850.00**				
			Total Concentration:		**4,990.00**				
Client ID :	**PR132-SO1-039085-20251015**								
Q3363-02	PR132-SO1-039085-2025	SOIL	Acenaphthene		150.000	J	37.5	300	ug/Kg
Q3363-02	PR132-SO1-039085-2025	SOIL	Fluorene		180.000	J	44.6	300	ug/Kg
Q3363-02	PR132-SO1-039085-2025	SOIL	Phenanthrene		390.000		36.8	300	ug/Kg
Q3363-02	PR132-SO1-039085-2025	SOIL	Anthracene		250.000	J	58.7	300	ug/Kg
Q3363-02	PR132-SO1-039085-2025	SOIL	Fluoranthene		410.000		52.8	300	ug/Kg
Q3363-02	PR132-SO1-039085-2025	SOIL	Pyrene		350.000		63.4	300	ug/Kg
Q3363-02	PR132-SO1-039085-2025	SOIL	Benzo(a)anthracene		170.000	J	40.5	300	ug/Kg
Q3363-02	PR132-SO1-039085-2025	SOIL	Chrysene		210.000	J	35.1	300	ug/Kg
Q3363-02	PR132-SO1-039085-2025	SOIL	Bis(2-ethylhexyl)phthalate		450.000		100	300	ug/Kg
Q3363-02	PR132-SO1-039085-2025	SOIL	Benzo(b)fluoranthene		220.000	J	33.5	300	ug/Kg
Q3363-02	PR132-SO1-039085-2025	SOIL	Benzo(a)pyrene		180.000	J	52	300	ug/Kg
			Total Svoc :		**2,960.00**				
Q3363-02	PR132-SO1-039085-2025	SOIL	2,6,10-Trimethyltridecane	*	380.000	J	0	0	ug/Kg
Q3363-02	PR132-SO1-039085-2025	SOIL	Benzophenone	*	510.000	J	0	0	ug/Kg
Q3363-02	PR132-SO1-039085-2025	SOIL	Decahydro-1,1,4a,5,6-pentamethy	*	270.000	J	0	0	ug/Kg
Q3363-02	PR132-SO1-039085-2025	SOIL	Decane, 2-methyl-	*	880.000	J	0	0	ug/Kg
Q3363-02	PR132-SO1-039085-2025	SOIL	Phenanthrene, 2,4,5,7-tetramethyl	*	240.000	J	0	0	ug/Kg
			Total Tics :		**2,280.00**				

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Hit Summary Sheet
SW-846

SDG No.: Q3363

Client: AECOM

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
			Total Concentration:		**5,240.00**				
Client ID :	**PR132-SO3-028010-20251015**								
Q3363-03	PR132-SO3-028010-2025	SOIL	Fluoranthene		160.000	J	54.7	310	ug/Kg
Q3363-03	PR132-SO3-028010-2025	SOIL	Pyrene		130.000	J	65.6	310	ug/Kg
Q3363-03	PR132-SO3-028010-2025	SOIL	Bis(2-ethylhexyl)phthalate		180.000	J	110	310	ug/Kg
			Total Svoc :		**470.00**				
Q3363-03	PR132-SO3-028010-2025	SOIL	Benzophenone	*	380.000	J	0	0	ug/Kg
Q3363-03	PR132-SO3-028010-2025	SOIL	Ethanol, 2-(tetradecyloxy)-	*	260.000	J	0	0	ug/Kg
			Total Tics :		**640.00**				
			Total Concentration:		**1,110.00**				
Client ID :	**PR132-SO3-010013-20251015**								
Q3363-04	PR132-SO3-010013-2025	SOIL	Phenanthrene		290.000	J	40.5	330	ug/Kg
Q3363-04	PR132-SO3-010013-2025	SOIL	Anthracene		130.000	J	64.6	330	ug/Kg
Q3363-04	PR132-SO3-010013-2025	SOIL	Fluoranthene		370.000		58.2	330	ug/Kg
Q3363-04	PR132-SO3-010013-2025	SOIL	Pyrene		350.000		69.8	330	ug/Kg
Q3363-04	PR132-SO3-010013-2025	SOIL	Benzo(a)anthracene		340.000		44.6	330	ug/Kg
Q3363-04	PR132-SO3-010013-2025	SOIL	Chrysene		300.000	J	38.6	330	ug/Kg
Q3363-04	PR132-SO3-010013-2025	SOIL	Benzo(b)fluoranthene		310.000	J	36.8	330	ug/Kg
Q3363-04	PR132-SO3-010013-2025	SOIL	Benzo(a)pyrene		330.000		57.2	330	ug/Kg
Q3363-04	PR132-SO3-010013-2025	SOIL	Indeno(1,2,3-cd)pyrene		140.000	J	56.4	330	ug/Kg
Q3363-04	PR132-SO3-010013-2025	SOIL	Benzo(g,h,i)perylene		170.000	J	49.8	330	ug/Kg
			Total Svoc :		**2,730.00**				
Q3363-04	PR132-SO3-010013-2025	SOIL	4b,8-Dimethyl-2-isopropylphenan	*	190.000	J	0	0	ug/Kg
Q3363-04	PR132-SO3-010013-2025	SOIL	Retene	*	2,100.000	J	0	0	ug/Kg
Q3363-04	PR132-SO3-010013-2025	SOIL	Benzophenone	*	310.000	J	0	0	ug/Kg
Q3363-04	PR132-SO3-010013-2025	SOIL	Dodecane, 2,6,10-trimethyl-	*	500.000	J	0	0	ug/Kg
Q3363-04	PR132-SO3-010013-2025	SOIL	Heptacosane	*	490.000	J	0	0	ug/Kg
Q3363-04	PR132-SO3-010013-2025	SOIL	Heptadecane, 2,6,10,15-tetrameth	*	750.000	J	0	0	ug/Kg
			Total Tics :		**4,340.00**				
			Total Concentration:		**7,070.00**				
Client ID :	**COMP01-20251015**								
Q3363-05	COMP01-20251015	SOIL	Fluoranthene		230.000	J	54	310	ug/Kg
Q3363-05	COMP01-20251015	SOIL	Pyrene		220.000	J	64.8	310	ug/Kg
Q3363-05	COMP01-20251015	SOIL	Benzo(a)anthracene		160.000	J	41.4	310	ug/Kg
Q3363-05	COMP01-20251015	SOIL	Chrysene		150.000	J	35.8	310	ug/Kg
Q3363-05	COMP01-20251015	SOIL	Benzo(b)fluoranthene		200.000	J	34.2	310	ug/Kg
Q3363-05	COMP01-20251015	SOIL	Benzo(a)pyrene		220.000	J	53.1	310	ug/Kg
Q3363-05	COMP01-20251015	SOIL	Benzo(g,h,i)perylene		170.000	J	46.3	310	ug/Kg
			Total Svoc :		**1,350.00**				

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Hit Summary Sheet
SW-846

SDG No.: Q3363

Client: AECOM

Sample ID	Client ID	Matrix	Parameter	Concentration		C	MDL	RDL	Units
Q3363-05	COMP01-20251015	SOIL	Benzophenone	*	430.000	J	0	0	ug/Kg
Q3363-05	COMP01-20251015	SOIL	n-Hexadecanoic acid	*	340.000	J	0	0	ug/Kg
			Total Tics :		**770.00**				
			Total Concentration:		**2,120.00**				

SAMPLE DATA

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM	Date Collected:	10/15/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	PR132-SO1-085011-20251015	SDG No.:	Q3363
Lab Sample ID:	Q3363-01	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	50.1
Sample Wt/Vol:	30.06 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	660	U	1	310	660	ug/Kg	10/17/25 15:48	PB170144
108-95-2	Phenol	340	U	1	44.0	340	ug/Kg	10/17/25 15:48	PB170144
111-44-4	bis(2-Chloroethyl)ether	340	U	1	48.4	340	ug/Kg	10/17/25 15:48	PB170144
95-57-8	2-Chlorophenol	340	U	1	48.6	340	ug/Kg	10/17/25 15:48	PB170144
95-48-7	2-Methylphenol	340	U	1	59.6	340	ug/Kg	10/17/25 15:48	PB170144
108-60-1	2,2-oxybis(1-Chloropropane)	340	U	1	74.7	340	ug/Kg	10/17/25 15:48	PB170144
98-86-2	Acetophenone	340	U	1	58.8	340	ug/Kg	10/17/25 15:48	PB170144
65794-96-9	3+4-Methylphenols	660	U	1	81.9	660	ug/Kg	10/17/25 15:48	PB170144
621-64-7	n-Nitroso-di-n-propylamine	160	U	1	94.4	160	ug/Kg	10/17/25 15:48	PB170144
67-72-1	Hexachloroethane	340	U	1	35.1	340	ug/Kg	10/17/25 15:48	PB170144
98-95-3	Nitrobenzene	340	U	1	36.5	340	ug/Kg	10/17/25 15:48	PB170144
78-59-1	Isophorone	340	U	1	65.3	340	ug/Kg	10/17/25 15:48	PB170144
88-75-5	2-Nitrophenol	340	U	1	120	340	ug/Kg	10/17/25 15:48	PB170144
105-67-9	2,4-Dimethylphenol	340	U	1	130	340	ug/Kg	10/17/25 15:48	PB170144
111-91-1	bis(2-Chloroethoxy)methane	340	U	1	61.4	340	ug/Kg	10/17/25 15:48	PB170144
120-83-2	2,4-Dichlorophenol	340	U	1	56.4	340	ug/Kg	10/17/25 15:48	PB170144
91-20-3	Naphthalene	340	U	1	45.2	340	ug/Kg	10/17/25 15:48	PB170144
106-47-8	4-Chloroaniline	340	U	1	70.5	340	ug/Kg	10/17/25 15:48	PB170144
87-68-3	Hexachlorobutadiene	340	U	1	50.4	340	ug/Kg	10/17/25 15:48	PB170144
105-60-2	Caprolactam	660	U	1	100	660	ug/Kg	10/17/25 15:48	PB170144
59-50-7	4-Chloro-3-methylphenol	340	U	1	57.2	340	ug/Kg	10/17/25 15:48	PB170144
91-57-6	2-Methylnaphthalene	340	U	1	51.0	340	ug/Kg	10/17/25 15:48	PB170144
77-47-4	Hexachlorocyclopentadiene	660	U	1	230	660	ug/Kg	10/17/25 15:48	PB170144
88-06-2	2,4,6-Trichlorophenol	340	U	1	39.4	340	ug/Kg	10/17/25 15:48	PB170144
95-95-4	2,4,5-Trichlorophenol	340	U	1	58.0	340	ug/Kg	10/17/25 15:48	PB170144
92-52-4	1,1-Biphenyl	340	U	1	43.4	340	ug/Kg	10/17/25 15:48	PB170144
91-58-7	2-Chloronaphthalene	340	U	1	44.8	340	ug/Kg	10/17/25 15:48	PB170144
88-74-4	2-Nitroaniline	340	U	1	95.8	340	ug/Kg	10/17/25 15:48	PB170144
131-11-3	Dimethylphthalate	340	U	1	54.0	340	ug/Kg	10/17/25 15:48	PB170144
208-96-8	Acenaphthylene	340	U	1	57.6	340	ug/Kg	10/17/25 15:48	PB170144
606-20-2	2,6-Dinitrotoluene	340	U	1	66.9	340	ug/Kg	10/17/25 15:48	PB170144
99-09-2	3-Nitroaniline	340	U	1	91.6	340	ug/Kg	10/17/25 15:48	PB170144
83-32-9	Acenaphthene	340	U	1	42.4	340	ug/Kg	10/17/25 15:48	PB170144
51-28-5	2,4-Dinitrophenol	660	U	1	460	660	ug/Kg	10/17/25 15:48	PB170144
100-02-7	4-Nitrophenol	660	U	1	210	660	ug/Kg	10/17/25 15:48	PB170144
132-64-9	Dibenzofuran	340	U	1	45.2	340	ug/Kg	10/17/25 15:48	PB170144
121-14-2	2,4-Dinitrotoluene	340	U	1	99.8	340	ug/Kg	10/17/25 15:48	PB170144
84-66-2	Diethylphthalate	340	U	1	56.4	340	ug/Kg	10/17/25 15:48	PB170144
7005-72-3	4-Chlorophenyl-phenylether	340	U	1	53.2	340	ug/Kg	10/17/25 15:48	PB170144
86-73-7	Fluorene	340	U	1	50.4	340	ug/Kg	10/17/25 15:48	PB170144
100-01-6	4-Nitroaniline	340	U	1	130	340	ug/Kg	10/17/25 15:48	PB170144
534-52-1	4,6-Dinitro-2-methylphenol	660	U	1	210	660	ug/Kg	10/17/25 15:48	PB170144

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Report of Analysis

Client:	AECOM	Date Collected:	10/15/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	PR132-SO1-085011-20251015	SDG No.:	Q3363
Lab Sample ID:	Q3363-01	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	50.1
Sample Wt/Vol:	30.06 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	340	U	1	65.5	340	ug/Kg	10/17/25 15:48	PB170144
101-55-3	4-Bromophenyl-phenylether	340	U	1	55.4	340	ug/Kg	10/17/25 15:48	PB170144
118-74-1	Hexachlorobenzene	340	U	1	50.4	340	ug/Kg	10/17/25 15:48	PB170144
1912-24-9	Atrazine	340	U	1	67.7	340	ug/Kg	10/17/25 15:48	PB170144
87-86-5	Pentachlorophenol	660	U	1	100	660	ug/Kg	10/17/25 15:48	PB170144
85-01-8	Phenanthrene	220	J	1	41.6	340	ug/Kg	10/17/25 15:48	PB170144
120-12-7	Anthracene	340	U	1	66.3	340	ug/Kg	10/17/25 15:48	PB170144
86-74-8	Carbazole	340	U	1	62.2	340	ug/Kg	10/17/25 15:48	PB170144
84-74-2	Di-n-butylphthalate	340	U	1	95.4	340	ug/Kg	10/17/25 15:48	PB170144
206-44-0	Fluoranthene	370		1	59.8	340	ug/Kg	10/17/25 15:48	PB170144
129-00-0	Pyrene	340		1	71.7	340	ug/Kg	10/17/25 15:48	PB170144
85-68-7	Butylbenzylphthalate	340	U	1	140	340	ug/Kg	10/17/25 15:48	PB170144
91-94-1	3,3-Dichlorobenzidine	660	U	1	73.1	660	ug/Kg	10/17/25 15:48	PB170144
56-55-3	Benzo(a)anthracene	250	J	1	45.8	340	ug/Kg	10/17/25 15:48	PB170144
218-01-9	Chrysene	260	J	1	39.6	340	ug/Kg	10/17/25 15:48	PB170144
117-81-7	Bis(2-ethylhexyl)phthalate	340	U	1	120	340	ug/Kg	10/17/25 15:48	PB170144
117-84-0	Di-n-octyl phthalate	660	U	1	170	660	ug/Kg	10/17/25 15:48	PB170144
205-99-2	Benzo(b)fluoranthene	260	J	1	37.8	340	ug/Kg	10/17/25 15:48	PB170144
207-08-9	Benzo(k)fluoranthene	340	U	1	44.6	340	ug/Kg	10/17/25 15:48	PB170144
50-32-8	Benzo(a)pyrene	270	J	1	58.8	340	ug/Kg	10/17/25 15:48	PB170144
193-39-5	Indeno(1,2,3-cd)pyrene	340	U	1	58.0	340	ug/Kg	10/17/25 15:48	PB170144
53-70-3	Dibenzo(a,h)anthracene	340	U	1	54.6	340	ug/Kg	10/17/25 15:48	PB170144
191-24-2	Benzo(g,h,i)perylene	170	J	1	51.2	340	ug/Kg	10/17/25 15:48	PB170144
95-94-3	1,2,4,5-Tetrachlorobenzene	340	U	1	51.0	340	ug/Kg	10/17/25 15:48	PB170144
123-91-1	1,4-Dioxane	340	U	1	90.0	340	ug/Kg	10/17/25 15:48	PB170144
58-90-2	2,3,4,6-Tetrachlorophenol	340	U	1	54.6	340	ug/Kg	10/17/25 15:48	PB170144
SURROGATES									
367-12-4	2-Fluorophenol	62.3			18 - 112	42%	SPK: 150		
13127-88-3	Phenol-d6	55.4			15 - 107	37%	SPK: 150		
4165-60-0	Nitrobenzene-d5	36.7			18 - 107	37%	SPK: 100		
321-60-8	2-Fluorobiphenyl	33.2			20 - 109	33%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	63.7			10 - 116	42%	SPK: 150		
1718-51-0	Terphenyl-d14	32.4			10 - 105	32%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	15700							
1146-65-2	Naphthalene-d8	62300							
15067-26-2	Acenaphthene-d10	44200							
1517-22-2	Phenanthrene-d10	108000							
1719-03-5	Chrysene-d12	123000							
1520-96-3	Perylene-d12	135000							
TENTATIVE IDENTIFIED COMPOUNDS									
000119-61-9	Benzophenone	420	J			15.8	ug/Kg		
000629-50-5	Tridecane	460	J			17.0	ug/Kg		

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Report of Analysis

Client:	AECOM	Date Collected:	10/15/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	PR132-SO1-085011-20251015	SDG No.:	Q3363
Lab Sample ID:	Q3363-01	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	50.1
Sample Wt/Vol:	30.06 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
000057-10-3	n-Hexadecanoic acid	530	J			18.1	ug/Kg		
1000197-14-1	4b,8-Dimethyl-2-isopropylphenanthr	230	J			18.8	ug/Kg		
006566-19-4	10,18-Bisnorabieta-5,7,9(10),11,13	820	J			19.3	ug/Kg		
066552-97-4	2-Isopropyl-10-methylphenanthrene	390	J			20.0	ug/Kg		

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	AECOM	Date Collected:	10/15/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	PR132-SO1-039085-20251015	SDG No.:	Q3363
Lab Sample ID:	Q3363-02	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	56.6
Sample Wt/Vol:	30.09 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	580	U	1	270	580	ug/Kg	10/17/25 19:12	PB170144
108-95-2	Phenol	300	U	1	38.9	300	ug/Kg	10/17/25 19:12	PB170144
111-44-4	bis(2-Chloroethyl)ether	300	U	1	42.8	300	ug/Kg	10/17/25 19:12	PB170144
95-57-8	2-Chlorophenol	300	U	1	43.0	300	ug/Kg	10/17/25 19:12	PB170144
95-48-7	2-Methylphenol	300	U	1	52.7	300	ug/Kg	10/17/25 19:12	PB170144
108-60-1	2,2-oxybis(1-Chloropropane)	300	U	1	66.1	300	ug/Kg	10/17/25 19:12	PB170144
98-86-2	Acetophenone	300	U	1	52.0	300	ug/Kg	10/17/25 19:12	PB170144
65794-96-9	3+4-Methylphenols	580	U	1	72.4	580	ug/Kg	10/17/25 19:12	PB170144
621-64-7	n-Nitroso-di-n-propylamine	140	U	1	83.5	140	ug/Kg	10/17/25 19:12	PB170144
67-72-1	Hexachloroethane	300	U	1	31.0	300	ug/Kg	10/17/25 19:12	PB170144
98-95-3	Nitrobenzene	300	U	1	32.2	300	ug/Kg	10/17/25 19:12	PB170144
78-59-1	Isophorone	300	U	1	57.8	300	ug/Kg	10/17/25 19:12	PB170144
88-75-5	2-Nitrophenol	300	U	1	100	300	ug/Kg	10/17/25 19:12	PB170144
105-67-9	2,4-Dimethylphenol	300	U	1	110	300	ug/Kg	10/17/25 19:12	PB170144
111-91-1	bis(2-Chloroethoxy)methane	300	U	1	54.3	300	ug/Kg	10/17/25 19:12	PB170144
120-83-2	2,4-Dichlorophenol	300	U	1	49.9	300	ug/Kg	10/17/25 19:12	PB170144
91-20-3	Naphthalene	300	U	1	40.0	300	ug/Kg	10/17/25 19:12	PB170144
106-47-8	4-Chloroaniline	300	U	1	62.4	300	ug/Kg	10/17/25 19:12	PB170144
87-68-3	Hexachlorobutadiene	300	U	1	44.6	300	ug/Kg	10/17/25 19:12	PB170144
105-60-2	Caprolactam	580	U	1	91.8	580	ug/Kg	10/17/25 19:12	PB170144
59-50-7	4-Chloro-3-methylphenol	300	U	1	50.6	300	ug/Kg	10/17/25 19:12	PB170144
91-57-6	2-Methylnaphthalene	300	U	1	45.1	300	ug/Kg	10/17/25 19:12	PB170144
77-47-4	Hexachlorocyclopentadiene	580	U	1	200	580	ug/Kg	10/17/25 19:12	PB170144
88-06-2	2,4,6-Trichlorophenol	300	U	1	34.9	300	ug/Kg	10/17/25 19:12	PB170144
95-95-4	2,4,5-Trichlorophenol	300	U	1	51.3	300	ug/Kg	10/17/25 19:12	PB170144
92-52-4	1,1-Biphenyl	300	U	1	38.4	300	ug/Kg	10/17/25 19:12	PB170144
91-58-7	2-Chloronaphthalene	300	U	1	39.6	300	ug/Kg	10/17/25 19:12	PB170144
88-74-4	2-Nitroaniline	300	U	1	84.7	300	ug/Kg	10/17/25 19:12	PB170144
131-11-3	Dimethylphthalate	300	U	1	47.7	300	ug/Kg	10/17/25 19:12	PB170144
208-96-8	Acenaphthylene	300	U	1	50.9	300	ug/Kg	10/17/25 19:12	PB170144
606-20-2	2,6-Dinitrotoluene	300	U	1	59.2	300	ug/Kg	10/17/25 19:12	PB170144
99-09-2	3-Nitroaniline	300	U	1	81.0	300	ug/Kg	10/17/25 19:12	PB170144
83-32-9	Acenaphthene	150	J	1	37.5	300	ug/Kg	10/17/25 19:12	PB170144
51-28-5	2,4-Dinitrophenol	580	U	1	400	580	ug/Kg	10/17/25 19:12	PB170144
100-02-7	4-Nitrophenol	580	U	1	190	580	ug/Kg	10/17/25 19:12	PB170144
132-64-9	Dibenzofuran	300	U	1	40.0	300	ug/Kg	10/17/25 19:12	PB170144
121-14-2	2,4-Dinitrotoluene	300	U	1	88.3	300	ug/Kg	10/17/25 19:12	PB170144
84-66-2	Diethylphthalate	300	U	1	49.9	300	ug/Kg	10/17/25 19:12	PB170144
7005-72-3	4-Chlorophenyl-phenylether	300	U	1	47.0	300	ug/Kg	10/17/25 19:12	PB170144
86-73-7	Fluorene	180	J	1	44.6	300	ug/Kg	10/17/25 19:12	PB170144
100-01-6	4-Nitroaniline	300	U	1	110	300	ug/Kg	10/17/25 19:12	PB170144
534-52-1	4,6-Dinitro-2-methylphenol	580	U	1	180	580	ug/Kg	10/17/25 19:12	PB170144

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Report of Analysis

Client:	AECOM	Date Collected:	10/15/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	PR132-SO1-039085-20251015	SDG No.:	Q3363
Lab Sample ID:	Q3363-02	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	56.6
Sample Wt/Vol:	30.09 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	300	U	1	58.0	300	ug/Kg	10/17/25 19:12	PB170144
101-55-3	4-Bromophenyl-phenylether	300	U	1	49.0	300	ug/Kg	10/17/25 19:12	PB170144
118-74-1	Hexachlorobenzene	300	U	1	44.6	300	ug/Kg	10/17/25 19:12	PB170144
1912-24-9	Atrazine	300	U	1	59.9	300	ug/Kg	10/17/25 19:12	PB170144
87-86-5	Pentachlorophenol	580	U	1	90.4	580	ug/Kg	10/17/25 19:12	PB170144
85-01-8	Phenanthrene	390		1	36.8	300	ug/Kg	10/17/25 19:12	PB170144
120-12-7	Anthracene	250	J	1	58.7	300	ug/Kg	10/17/25 19:12	PB170144
86-74-8	Carbazole	300	U	1	55.0	300	ug/Kg	10/17/25 19:12	PB170144
84-74-2	Di-n-butylphthalate	300	U	1	84.4	300	ug/Kg	10/17/25 19:12	PB170144
206-44-0	Fluoranthene	410		1	52.8	300	ug/Kg	10/17/25 19:12	PB170144
129-00-0	Pyrene	350		1	63.4	300	ug/Kg	10/17/25 19:12	PB170144
85-68-7	Butylbenzylphthalate	300	U	1	130	300	ug/Kg	10/17/25 19:12	PB170144
91-94-1	3,3-Dichlorobenzidine	580	U	1	64.6	580	ug/Kg	10/17/25 19:12	PB170144
56-55-3	Benzo(a)anthracene	170	J	1	40.5	300	ug/Kg	10/17/25 19:12	PB170144
218-01-9	Chrysene	210	J	1	35.1	300	ug/Kg	10/17/25 19:12	PB170144
117-81-7	Bis(2-ethylhexyl)phthalate	450		1	100	300	ug/Kg	10/17/25 19:12	PB170144
117-84-0	Di-n-octyl phthalate	580	U	1	150	580	ug/Kg	10/17/25 19:12	PB170144
205-99-2	Benzo(b)fluoranthene	220	J	1	33.5	300	ug/Kg	10/17/25 19:12	PB170144
207-08-9	Benzo(k)fluoranthene	300	U	1	39.5	300	ug/Kg	10/17/25 19:12	PB170144
50-32-8	Benzo(a)pyrene	180	J	1	52.0	300	ug/Kg	10/17/25 19:12	PB170144
193-39-5	Indeno(1,2,3-cd)pyrene	300	U	1	51.3	300	ug/Kg	10/17/25 19:12	PB170144
53-70-3	Dibenzo(a,h)anthracene	300	U	1	48.3	300	ug/Kg	10/17/25 19:12	PB170144
191-24-2	Benzo(g,h,i)perylene	300	U	1	45.3	300	ug/Kg	10/17/25 19:12	PB170144
95-94-3	1,2,4,5-Tetrachlorobenzene	300	U	1	45.1	300	ug/Kg	10/17/25 19:12	PB170144
123-91-1	1,4-Dioxane	300	U	1	79.6	300	ug/Kg	10/17/25 19:12	PB170144
58-90-2	2,3,4,6-Tetrachlorophenol	300	U	1	48.3	300	ug/Kg	10/17/25 19:12	PB170144
SURROGATES									
367-12-4	2-Fluorophenol	92.7			18 - 112	62%	SPK: 150		
13127-88-3	Phenol-d6	85.0			15 - 107	57%	SPK: 150		
4165-60-0	Nitrobenzene-d5	54.5			18 - 107	54%	SPK: 100		
321-60-8	2-Fluorobiphenyl	53.8			20 - 109	54%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	92.0			10 - 116	61%	SPK: 150		
1718-51-0	Terphenyl-d14	51.9			10 - 105	52%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	14400							
1146-65-2	Naphthalene-d8	59300							
15067-26-2	Acenaphthene-d10	41900							
1517-22-2	Phenanthrene-d10	103000							
1719-03-5	Chrysene-d12	116000							
1520-96-3	Perylene-d12	132000							
TENTATIVE IDENTIFIED COMPOUNDS									
003891-99-4	2,6,10-Trimethyltridecane	380	J			13.9	ug/Kg		
080655-44-3	Decahydro-1,1,4a,5,6-pentamethylna	270	J			14.3	ug/Kg		

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Report of Analysis

Client:	AECOM	Date Collected:	10/15/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	PR132-SO1-039085-20251015	SDG No.:	Q3363
Lab Sample ID:	Q3363-02	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	56.6
Sample Wt/Vol:	30.09 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
000119-61-9	Benzophenone	510	J			15.8	ug/Kg		
006975-98-0	Decane, 2-methyl-	880	J			16.2	ug/Kg		
007396-38-5	Phenanthrene, 2,4,5,7-tetramethyl-	240	J			20.0	ug/Kg		

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	AECOM	Date Collected:	10/15/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	PR132-SO3-028010-20251015	SDG No.:	Q3363
Lab Sample ID:	Q3363-03	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	54.8
Sample Wt/Vol:	30.02 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	600	U	1	280	600	ug/Kg	10/17/25 19:12	PB170144
108-95-2	Phenol	310	U	1	40.3	310	ug/Kg	10/17/25 19:12	PB170144
111-44-4	bis(2-Chloroethyl)ether	310	U	1	44.3	310	ug/Kg	10/17/25 19:12	PB170144
95-57-8	2-Chlorophenol	310	U	1	44.5	310	ug/Kg	10/17/25 19:12	PB170144
95-48-7	2-Methylphenol	310	U	1	54.5	310	ug/Kg	10/17/25 19:12	PB170144
108-60-1	2,2-oxybis(1-Chloropropane)	310	U	1	68.4	310	ug/Kg	10/17/25 19:12	PB170144
98-86-2	Acetophenone	310	U	1	53.8	310	ug/Kg	10/17/25 19:12	PB170144
65794-96-9	3+4-Methylphenols	600	U	1	75.0	600	ug/Kg	10/17/25 19:12	PB170144
621-64-7	n-Nitroso-di-n-propylamine	150	U	1	86.4	150	ug/Kg	10/17/25 19:12	PB170144
67-72-1	Hexachloroethane	310	U	1	32.1	310	ug/Kg	10/17/25 19:12	PB170144
98-95-3	Nitrobenzene	310	U	1	33.4	310	ug/Kg	10/17/25 19:12	PB170144
78-59-1	Isophorone	310	U	1	59.8	310	ug/Kg	10/17/25 19:12	PB170144
88-75-5	2-Nitrophenol	310	U	1	110	310	ug/Kg	10/17/25 19:12	PB170144
105-67-9	2,4-Dimethylphenol	310	U	1	120	310	ug/Kg	10/17/25 19:12	PB170144
111-91-1	bis(2-Chloroethoxy)methane	310	U	1	56.2	310	ug/Kg	10/17/25 19:12	PB170144
120-83-2	2,4-Dichlorophenol	310	U	1	51.6	310	ug/Kg	10/17/25 19:12	PB170144
91-20-3	Naphthalene	310	U	1	41.4	310	ug/Kg	10/17/25 19:12	PB170144
106-47-8	4-Chloroaniline	310	U	1	64.6	310	ug/Kg	10/17/25 19:12	PB170144
87-68-3	Hexachlorobutadiene	310	U	1	46.1	310	ug/Kg	10/17/25 19:12	PB170144
105-60-2	Caprolactam	600	U	1	95.0	600	ug/Kg	10/17/25 19:12	PB170144
59-50-7	4-Chloro-3-methylphenol	310	U	1	52.3	310	ug/Kg	10/17/25 19:12	PB170144
91-57-6	2-Methylnaphthalene	310	U	1	46.7	310	ug/Kg	10/17/25 19:12	PB170144
77-47-4	Hexachlorocyclopentadiene	600	U	1	210	600	ug/Kg	10/17/25 19:12	PB170144
88-06-2	2,4,6-Trichlorophenol	310	U	1	36.1	310	ug/Kg	10/17/25 19:12	PB170144
95-95-4	2,4,5-Trichlorophenol	310	U	1	53.1	310	ug/Kg	10/17/25 19:12	PB170144
92-52-4	1,1-Biphenyl	310	U	1	39.8	310	ug/Kg	10/17/25 19:12	PB170144
91-58-7	2-Chloronaphthalene	310	U	1	41.0	310	ug/Kg	10/17/25 19:12	PB170144
88-74-4	2-Nitroaniline	310	U	1	87.7	310	ug/Kg	10/17/25 19:12	PB170144
131-11-3	Dimethylphthalate	310	U	1	49.4	310	ug/Kg	10/17/25 19:12	PB170144
208-96-8	Acenaphthylene	310	U	1	52.7	310	ug/Kg	10/17/25 19:12	PB170144
606-20-2	2,6-Dinitrotoluene	310	U	1	61.3	310	ug/Kg	10/17/25 19:12	PB170144
99-09-2	3-Nitroaniline	310	U	1	83.9	310	ug/Kg	10/17/25 19:12	PB170144
83-32-9	Acenaphthene	310	U	1	38.8	310	ug/Kg	10/17/25 19:12	PB170144
51-28-5	2,4-Dinitrophenol	600	U	1	420	600	ug/Kg	10/17/25 19:12	PB170144
100-02-7	4-Nitrophenol	600	U	1	200	600	ug/Kg	10/17/25 19:12	PB170144
132-64-9	Dibenzofuran	310	U	1	41.4	310	ug/Kg	10/17/25 19:12	PB170144
121-14-2	2,4-Dinitrotoluene	310	U	1	91.4	310	ug/Kg	10/17/25 19:12	PB170144
84-66-2	Diethylphthalate	310	U	1	51.6	310	ug/Kg	10/17/25 19:12	PB170144
7005-72-3	4-Chlorophenyl-phenylether	310	U	1	48.7	310	ug/Kg	10/17/25 19:12	PB170144
86-73-7	Fluorene	310	U	1	46.1	310	ug/Kg	10/17/25 19:12	PB170144
100-01-6	4-Nitroaniline	310	U	1	120	310	ug/Kg	10/17/25 19:12	PB170144
534-52-1	4,6-Dinitro-2-methylphenol	600	U	1	190	600	ug/Kg	10/17/25 19:12	PB170144

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	AECOM	Date Collected:	10/15/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	PR132-SO3-028010-20251015	SDG No.:	Q3363
Lab Sample ID:	Q3363-03	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	54.8
Sample Wt/Vol:	30.02 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	310	U	1	60.0	310	ug/Kg	10/17/25 19:12	PB170144
101-55-3	4-Bromophenyl-phenylether	310	U	1	50.7	310	ug/Kg	10/17/25 19:12	PB170144
118-74-1	Hexachlorobenzene	310	U	1	46.1	310	ug/Kg	10/17/25 19:12	PB170144
1912-24-9	Atrazine	310	U	1	62.0	310	ug/Kg	10/17/25 19:12	PB170144
87-86-5	Pentachlorophenol	600	U	1	93.6	600	ug/Kg	10/17/25 19:12	PB170144
85-01-8	Phenanthrene	310	U	1	38.1	310	ug/Kg	10/17/25 19:12	PB170144
120-12-7	Anthracene	310	U	1	60.7	310	ug/Kg	10/17/25 19:12	PB170144
86-74-8	Carbazole	310	U	1	56.9	310	ug/Kg	10/17/25 19:12	PB170144
84-74-2	Di-n-butylphthalate	310	U	1	87.4	310	ug/Kg	10/17/25 19:12	PB170144
206-44-0	Fluoranthene	160	J	1	54.7	310	ug/Kg	10/17/25 19:12	PB170144
129-00-0	Pyrene	130	J	1	65.6	310	ug/Kg	10/17/25 19:12	PB170144
85-68-7	Butylbenzylphthalate	310	U	1	130	310	ug/Kg	10/17/25 19:12	PB170144
91-94-1	3,3-Dichlorobenzidine	600	U	1	66.9	600	ug/Kg	10/17/25 19:12	PB170144
56-55-3	Benzo(a)anthracene	310	U	1	41.9	310	ug/Kg	10/17/25 19:12	PB170144
218-01-9	Chrysene	310	U	1	36.3	310	ug/Kg	10/17/25 19:12	PB170144
117-81-7	Bis(2-ethylhexyl)phthalate	180	J	1	110	310	ug/Kg	10/17/25 19:12	PB170144
117-84-0	Di-n-octyl phthalate	600	U	1	160	600	ug/Kg	10/17/25 19:12	PB170144
205-99-2	Benzo(b)fluoranthene	310	U	1	34.6	310	ug/Kg	10/17/25 19:12	PB170144
207-08-9	Benzo(k)fluoranthene	310	U	1	40.8	310	ug/Kg	10/17/25 19:12	PB170144
50-32-8	Benzo(a)pyrene	310	U	1	53.8	310	ug/Kg	10/17/25 19:12	PB170144
193-39-5	Indeno(1,2,3-cd)pyrene	310	U	1	53.1	310	ug/Kg	10/17/25 19:12	PB170144
53-70-3	Dibenzo(a,h)anthracene	310	U	1	50.0	310	ug/Kg	10/17/25 19:12	PB170144
191-24-2	Benzo(g,h,i)perylene	310	U	1	46.9	310	ug/Kg	10/17/25 19:12	PB170144
95-94-3	1,2,4,5-Tetrachlorobenzene	310	U	1	46.7	310	ug/Kg	10/17/25 19:12	PB170144
123-91-1	1,4-Dioxane	310	U	1	82.4	310	ug/Kg	10/17/25 19:12	PB170144
58-90-2	2,3,4,6-Tetrachlorophenol	310	U	1	50.0	310	ug/Kg	10/17/25 19:12	PB170144
SURROGATES									
367-12-4	2-Fluorophenol	79.7			18 - 112	53%	SPK: 150		
13127-88-3	Phenol-d6	78.7			15 - 107	52%	SPK: 150		
4165-60-0	Nitrobenzene-d5	48.3			18 - 107	48%	SPK: 100		
321-60-8	2-Fluorobiphenyl	43.4			20 - 109	43%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	58.4			10 - 116	39%	SPK: 150		
1718-51-0	Terphenyl-d14	38.1			10 - 105	38%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	104000							
1146-65-2	Naphthalene-d8	397000							
15067-26-2	Acenaphthene-d10	207000							
1517-22-2	Phenanthrene-d10	341000							
1719-03-5	Chrysene-d12	243000							
1520-96-3	Perylene-d12	303000							
TENTATIVE IDENTIFIED COMPOUNDS									
000119-61-9	Benzophenone	380	J			10.6	ug/Kg		
002136-70-1	Ethanol, 2-(tetradecyloxy)-	260	J			13.9	ug/Kg		

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Report of Analysis

Client:	AECOM	Date Collected:	10/15/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	PR132-SO3-028010-20251015	SDG No.:	Q3363
Lab Sample ID:	Q3363-03	Matrix:	SOIL
Analytical Method:	8270E	Level : LOW	% Solid: 54.8
Sample Wt/Vol:	30.02 g	Final Vol: 1000 uL	Test: SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date: 10/17/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	AECOM	Date Collected:	10/15/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	PR132-SO3-010013-20251015	SDG No.:	Q3363
Lab Sample ID:	Q3363-04	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	51.5
Sample Wt/Vol:	30.04 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	640	U	1	300	640	ug/Kg	10/17/25 19:41	PB170144
108-95-2	Phenol	330	U	1	42.9	330	ug/Kg	10/17/25 19:41	PB170144
111-44-4	bis(2-Chloroethyl)ether	330	U	1	47.1	330	ug/Kg	10/17/25 19:41	PB170144
95-57-8	2-Chlorophenol	330	U	1	47.3	330	ug/Kg	10/17/25 19:41	PB170144
95-48-7	2-Methylphenol	330	U	1	58.0	330	ug/Kg	10/17/25 19:41	PB170144
108-60-1	2,2-oxybis(1-Chloropropane)	330	U	1	72.7	330	ug/Kg	10/17/25 19:41	PB170144
98-86-2	Acetophenone	330	U	1	57.2	330	ug/Kg	10/17/25 19:41	PB170144
65794-96-9	3+4-Methylphenols	640	U	1	79.7	640	ug/Kg	10/17/25 19:41	PB170144
621-64-7	n-Nitroso-di-n-propylamine	160	U	1	91.9	160	ug/Kg	10/17/25 19:41	PB170144
67-72-1	Hexachloroethane	330	U	1	34.1	330	ug/Kg	10/17/25 19:41	PB170144
98-95-3	Nitrobenzene	330	U	1	35.5	330	ug/Kg	10/17/25 19:41	PB170144
78-59-1	Isophorone	330	U	1	63.6	330	ug/Kg	10/17/25 19:41	PB170144
88-75-5	2-Nitrophenol	330	U	1	110	330	ug/Kg	10/17/25 19:41	PB170144
105-67-9	2,4-Dimethylphenol	330	U	1	130	330	ug/Kg	10/17/25 19:41	PB170144
111-91-1	bis(2-Chloroethoxy)methane	330	U	1	59.7	330	ug/Kg	10/17/25 19:41	PB170144
120-83-2	2,4-Dichlorophenol	330	U	1	54.9	330	ug/Kg	10/17/25 19:41	PB170144
91-20-3	Naphthalene	330	U	1	44.0	330	ug/Kg	10/17/25 19:41	PB170144
106-47-8	4-Chloroaniline	330	U	1	68.6	330	ug/Kg	10/17/25 19:41	PB170144
87-68-3	Hexachlorobutadiene	330	U	1	49.1	330	ug/Kg	10/17/25 19:41	PB170144
105-60-2	Caprolactam	640	U	1	100	640	ug/Kg	10/17/25 19:41	PB170144
59-50-7	4-Chloro-3-methylphenol	330	U	1	55.7	330	ug/Kg	10/17/25 19:41	PB170144
91-57-6	2-Methylnaphthalene	330	U	1	49.6	330	ug/Kg	10/17/25 19:41	PB170144
77-47-4	Hexachlorocyclopentadiene	640	U	1	220	640	ug/Kg	10/17/25 19:41	PB170144
88-06-2	2,4,6-Trichlorophenol	330	U	1	38.4	330	ug/Kg	10/17/25 19:41	PB170144
95-95-4	2,4,5-Trichlorophenol	330	U	1	56.4	330	ug/Kg	10/17/25 19:41	PB170144
92-52-4	1,1-Biphenyl	330	U	1	42.3	330	ug/Kg	10/17/25 19:41	PB170144
91-58-7	2-Chloronaphthalene	330	U	1	43.6	330	ug/Kg	10/17/25 19:41	PB170144
88-74-4	2-Nitroaniline	330	U	1	93.3	330	ug/Kg	10/17/25 19:41	PB170144
131-11-3	Dimethylphthalate	330	U	1	52.6	330	ug/Kg	10/17/25 19:41	PB170144
208-96-8	Acenaphthylene	330	U	1	56.0	330	ug/Kg	10/17/25 19:41	PB170144
606-20-2	2,6-Dinitrotoluene	330	U	1	65.2	330	ug/Kg	10/17/25 19:41	PB170144
99-09-2	3-Nitroaniline	330	U	1	89.2	330	ug/Kg	10/17/25 19:41	PB170144
83-32-9	Acenaphthene	330	U	1	41.3	330	ug/Kg	10/17/25 19:41	PB170144
51-28-5	2,4-Dinitrophenol	640	U	1	440	640	ug/Kg	10/17/25 19:41	PB170144
100-02-7	4-Nitrophenol	640	U	1	210	640	ug/Kg	10/17/25 19:41	PB170144
132-64-9	Dibenzofuran	330	U	1	44.0	330	ug/Kg	10/17/25 19:41	PB170144
121-14-2	2,4-Dinitrotoluene	330	U	1	97.2	330	ug/Kg	10/17/25 19:41	PB170144
84-66-2	Diethylphthalate	330	U	1	54.9	330	ug/Kg	10/17/25 19:41	PB170144
7005-72-3	4-Chlorophenyl-phenylether	330	U	1	51.8	330	ug/Kg	10/17/25 19:41	PB170144
86-73-7	Fluorene	330	U	1	49.1	330	ug/Kg	10/17/25 19:41	PB170144
100-01-6	4-Nitroaniline	330	U	1	120	330	ug/Kg	10/17/25 19:41	PB170144
534-52-1	4,6-Dinitro-2-methylphenol	640	U	1	200	640	ug/Kg	10/17/25 19:41	PB170144

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Report of Analysis

Client:	AECOM	Date Collected:	10/15/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	PR132-SO3-010013-20251015	SDG No.:	Q3363
Lab Sample ID:	Q3363-04	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	51.5
Sample Wt/Vol:	30.04 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	330	U	1	63.8	330	ug/Kg	10/17/25 19:41	PB170144
101-55-3	4-Bromophenyl-phenylether	330	U	1	53.9	330	ug/Kg	10/17/25 19:41	PB170144
118-74-1	Hexachlorobenzene	330	U	1	49.1	330	ug/Kg	10/17/25 19:41	PB170144
1912-24-9	Atrazine	330	U	1	65.9	330	ug/Kg	10/17/25 19:41	PB170144
87-86-5	Pentachlorophenol	640	U	1	99.5	640	ug/Kg	10/17/25 19:41	PB170144
85-01-8	Phenanthrene	290	J	1	40.5	330	ug/Kg	10/17/25 19:41	PB170144
120-12-7	Anthracene	130	J	1	64.6	330	ug/Kg	10/17/25 19:41	PB170144
86-74-8	Carbazole	330	U	1	60.5	330	ug/Kg	10/17/25 19:41	PB170144
84-74-2	Di-n-butylphthalate	330	U	1	92.9	330	ug/Kg	10/17/25 19:41	PB170144
206-44-0	Fluoranthene	370		1	58.2	330	ug/Kg	10/17/25 19:41	PB170144
129-00-0	Pyrene	350		1	69.8	330	ug/Kg	10/17/25 19:41	PB170144
85-68-7	Butylbenzylphthalate	330	U	1	140	330	ug/Kg	10/17/25 19:41	PB170144
91-94-1	3,3-Dichlorobenzidine	640	U	1	71.2	640	ug/Kg	10/17/25 19:41	PB170144
56-55-3	Benzo(a)anthracene	340		1	44.6	330	ug/Kg	10/17/25 19:41	PB170144
218-01-9	Chrysene	300	J	1	38.6	330	ug/Kg	10/17/25 19:41	PB170144
117-81-7	Bis(2-ethylhexyl)phthalate	330	U	1	110	330	ug/Kg	10/17/25 19:41	PB170144
117-84-0	Di-n-octyl phthalate	640	U	1	170	640	ug/Kg	10/17/25 19:41	PB170144
205-99-2	Benzo(b)fluoranthene	310	J	1	36.8	330	ug/Kg	10/17/25 19:41	PB170144
207-08-9	Benzo(k)fluoranthene	330	U	1	43.4	330	ug/Kg	10/17/25 19:41	PB170144
50-32-8	Benzo(a)pyrene	330		1	57.2	330	ug/Kg	10/17/25 19:41	PB170144
193-39-5	Indeno(1,2,3-cd)pyrene	140	J	1	56.4	330	ug/Kg	10/17/25 19:41	PB170144
53-70-3	Dibenzo(a,h)anthracene	330	U	1	53.1	330	ug/Kg	10/17/25 19:41	PB170144
191-24-2	Benzo(g,h,i)perylene	170	J	1	49.8	330	ug/Kg	10/17/25 19:41	PB170144
95-94-3	1,2,4,5-Tetrachlorobenzene	330	U	1	49.6	330	ug/Kg	10/17/25 19:41	PB170144
123-91-1	1,4-Dioxane	330	U	1	87.7	330	ug/Kg	10/17/25 19:41	PB170144
58-90-2	2,3,4,6-Tetrachlorophenol	330	U	1	53.1	330	ug/Kg	10/17/25 19:41	PB170144
SURROGATES									
367-12-4	2-Fluorophenol	65.3			18 - 112	44%	SPK: 150		
13127-88-3	Phenol-d6	64.9			15 - 107	43%	SPK: 150		
4165-60-0	Nitrobenzene-d5	39.3			18 - 107	39%	SPK: 100		
321-60-8	2-Fluorobiphenyl	35.0			20 - 109	35%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	44.4			10 - 116	30%	SPK: 150		
1718-51-0	Terphenyl-d14	27.5			10 - 105	27%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	95300							
1146-65-2	Naphthalene-d8	358000							
15067-26-2	Acenaphthene-d10	180000							
1517-22-2	Phenanthrene-d10	276000							
1719-03-5	Chrysene-d12	207000							
1520-96-3	Perylene-d12	276000							
TENTATIVE IDENTIFIED COMPOUNDS									
003891-98-3	Dodecane, 2,6,10-trimethyl-	500	J			9.18	ug/Kg		
054833-48-6	Heptadecane, 2,6,10,15-tetramethyl	750	J			9.63	ug/Kg		

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Report of Analysis

Client:	AECOM	Date Collected:	10/15/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	PR132-SO3-010013-20251015	SDG No.:	Q3363
Lab Sample ID:	Q3363-04	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	51.5
Sample Wt/Vol:	30.04 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
000119-61-9	Benzophenone	310	J			10.6	ug/Kg		
000593-49-7	Heptacosane	490	J			11.3	ug/Kg		
1000197-14-1	4b,8-Dimethyl-2-isopropylphenanthr	190	J			12.4	ug/Kg		
000483-65-8	Retene	2100	J			13.1	ug/Kg		

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	AECOM	Date Collected:	10/15/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	COMP01-20251015	SDG No.:	Q3363
Lab Sample ID:	Q3363-05	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	55.4
Sample Wt/Vol:	30.07 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	590	U	1	280	590	ug/Kg	10/17/25 16:29	PB170144
108-95-2	Phenol	310	U	1	39.8	310	ug/Kg	10/17/25 16:29	PB170144
111-44-4	bis(2-Chloroethyl)ether	310	U	1	43.8	310	ug/Kg	10/17/25 16:29	PB170144
95-57-8	2-Chlorophenol	310	U	1	43.9	310	ug/Kg	10/17/25 16:29	PB170144
95-48-7	2-Methylphenol	310	U	1	53.8	310	ug/Kg	10/17/25 16:29	PB170144
108-60-1	2,2-oxybis(1-Chloropropane)	310	U	1	67.5	310	ug/Kg	10/17/25 16:29	PB170144
98-86-2	Acetophenone	310	U	1	53.1	310	ug/Kg	10/17/25 16:29	PB170144
65794-96-9	3+4-Methylphenols	590	U	1	74.0	590	ug/Kg	10/17/25 16:29	PB170144
621-64-7	n-Nitroso-di-n-propylamine	140	U	1	85.4	140	ug/Kg	10/17/25 16:29	PB170144
67-72-1	Hexachloroethane	310	U	1	31.7	310	ug/Kg	10/17/25 16:29	PB170144
98-95-3	Nitrobenzene	310	U	1	33.0	310	ug/Kg	10/17/25 16:29	PB170144
78-59-1	Isophorone	310	U	1	59.1	310	ug/Kg	10/17/25 16:29	PB170144
88-75-5	2-Nitrophenol	310	U	1	100	310	ug/Kg	10/17/25 16:29	PB170144
105-67-9	2,4-Dimethylphenol	310	U	1	120	310	ug/Kg	10/17/25 16:29	PB170144
111-91-1	bis(2-Chloroethoxy)methane	310	U	1	55.5	310	ug/Kg	10/17/25 16:29	PB170144
120-83-2	2,4-Dichlorophenol	310	U	1	51.0	310	ug/Kg	10/17/25 16:29	PB170144
91-20-3	Naphthalene	310	U	1	40.9	310	ug/Kg	10/17/25 16:29	PB170144
106-47-8	4-Chloroaniline	310	U	1	63.8	310	ug/Kg	10/17/25 16:29	PB170144
87-68-3	Hexachlorobutadiene	310	U	1	45.6	310	ug/Kg	10/17/25 16:29	PB170144
105-60-2	Caprolactam	590	U	1	93.8	590	ug/Kg	10/17/25 16:29	PB170144
59-50-7	4-Chloro-3-methylphenol	310	U	1	51.7	310	ug/Kg	10/17/25 16:29	PB170144
91-57-6	2-Methylnaphthalene	310	U	1	46.1	310	ug/Kg	10/17/25 16:29	PB170144
77-47-4	Hexachlorocyclopentadiene	590	U	1	210	590	ug/Kg	10/17/25 16:29	PB170144
88-06-2	2,4,6-Trichlorophenol	310	U	1	35.7	310	ug/Kg	10/17/25 16:29	PB170144
95-95-4	2,4,5-Trichlorophenol	310	U	1	52.4	310	ug/Kg	10/17/25 16:29	PB170144
92-52-4	1,1-Biphenyl	310	U	1	39.3	310	ug/Kg	10/17/25 16:29	PB170144
91-58-7	2-Chloronaphthalene	310	U	1	40.5	310	ug/Kg	10/17/25 16:29	PB170144
88-74-4	2-Nitroaniline	310	U	1	86.6	310	ug/Kg	10/17/25 16:29	PB170144
131-11-3	Dimethylphthalate	310	U	1	48.8	310	ug/Kg	10/17/25 16:29	PB170144
208-96-8	Acenaphthylene	310	U	1	52.0	310	ug/Kg	10/17/25 16:29	PB170144
606-20-2	2,6-Dinitrotoluene	310	U	1	60.5	310	ug/Kg	10/17/25 16:29	PB170144
99-09-2	3-Nitroaniline	310	U	1	82.8	310	ug/Kg	10/17/25 16:29	PB170144
83-32-9	Acenaphthene	310	U	1	38.4	310	ug/Kg	10/17/25 16:29	PB170144
51-28-5	2,4-Dinitrophenol	590	U	1	410	590	ug/Kg	10/17/25 16:29	PB170144
100-02-7	4-Nitrophenol	590	U	1	190	590	ug/Kg	10/17/25 16:29	PB170144
132-64-9	Dibenzofuran	310	U	1	40.9	310	ug/Kg	10/17/25 16:29	PB170144
121-14-2	2,4-Dinitrotoluene	310	U	1	90.2	310	ug/Kg	10/17/25 16:29	PB170144
84-66-2	Diethylphthalate	310	U	1	51.0	310	ug/Kg	10/17/25 16:29	PB170144
7005-72-3	4-Chlorophenyl-phenylether	310	U	1	48.1	310	ug/Kg	10/17/25 16:29	PB170144
86-73-7	Fluorene	310	U	1	45.6	310	ug/Kg	10/17/25 16:29	PB170144
100-01-6	4-Nitroaniline	310	U	1	120	310	ug/Kg	10/17/25 16:29	PB170144
534-52-1	4,6-Dinitro-2-methylphenol	590	U	1	190	590	ug/Kg	10/17/25 16:29	PB170144

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Report of Analysis

Client:	AECOM	Date Collected:	10/15/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	COMP01-20251015	SDG No.:	Q3363
Lab Sample ID:	Q3363-05	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	55.4
Sample Wt/Vol:	30.07 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	310	U	1	59.2	310	ug/Kg	10/17/25 16:29	PB170144
101-55-3	4-Bromophenyl-phenylether	310	U	1	50.1	310	ug/Kg	10/17/25 16:29	PB170144
118-74-1	Hexachlorobenzene	310	U	1	45.6	310	ug/Kg	10/17/25 16:29	PB170144
1912-24-9	Atrazine	310	U	1	61.2	310	ug/Kg	10/17/25 16:29	PB170144
87-86-5	Pentachlorophenol	590	U	1	92.4	590	ug/Kg	10/17/25 16:29	PB170144
85-01-8	Phenanthrene	310	U	1	37.6	310	ug/Kg	10/17/25 16:29	PB170144
120-12-7	Anthracene	310	U	1	60.0	310	ug/Kg	10/17/25 16:29	PB170144
86-74-8	Carbazole	310	U	1	56.2	310	ug/Kg	10/17/25 16:29	PB170144
84-74-2	Di-n-butylphthalate	310	U	1	86.3	310	ug/Kg	10/17/25 16:29	PB170144
206-44-0	Fluoranthene	230	J	1	54.0	310	ug/Kg	10/17/25 16:29	PB170144
129-00-0	Pyrene	220	J	1	64.8	310	ug/Kg	10/17/25 16:29	PB170144
85-68-7	Butylbenzylphthalate	310	U	1	130	310	ug/Kg	10/17/25 16:29	PB170144
91-94-1	3,3-Dichlorobenzidine	590	U	1	66.1	590	ug/Kg	10/17/25 16:29	PB170144
56-55-3	Benzo(a)anthracene	160	J	1	41.4	310	ug/Kg	10/17/25 16:29	PB170144
218-01-9	Chrysene	150	J	1	35.8	310	ug/Kg	10/17/25 16:29	PB170144
117-81-7	Bis(2-ethylhexyl)phthalate	310	U	1	110	310	ug/Kg	10/17/25 16:29	PB170144
117-84-0	Di-n-octyl phthalate	590	U	1	160	590	ug/Kg	10/17/25 16:29	PB170144
205-99-2	Benzo(b)fluoranthene	200	J	1	34.2	310	ug/Kg	10/17/25 16:29	PB170144
207-08-9	Benzo(k)fluoranthene	310	U	1	40.3	310	ug/Kg	10/17/25 16:29	PB170144
50-32-8	Benzo(a)pyrene	220	J	1	53.1	310	ug/Kg	10/17/25 16:29	PB170144
193-39-5	Indeno(1,2,3-cd)pyrene	310	U	1	52.4	310	ug/Kg	10/17/25 16:29	PB170144
53-70-3	Dibenzo(a,h)anthracene	310	U	1	49.3	310	ug/Kg	10/17/25 16:29	PB170144
191-24-2	Benzo(g,h,i)perylene	170	J	1	46.3	310	ug/Kg	10/17/25 16:29	PB170144
95-94-3	1,2,4,5-Tetrachlorobenzene	310	U	1	46.1	310	ug/Kg	10/17/25 16:29	PB170144
123-91-1	1,4-Dioxane	310	U	1	81.4	310	ug/Kg	10/17/25 16:29	PB170144
58-90-2	2,3,4,6-Tetrachlorophenol	310	U	1	49.3	310	ug/Kg	10/17/25 16:29	PB170144
SURROGATES									
367-12-4	2-Fluorophenol	87.5			18 - 112	58%	SPK: 150		
13127-88-3	Phenol-d6	82.3			15 - 107	55%	SPK: 150		
4165-60-0	Nitrobenzene-d5	55.2			18 - 107	55%	SPK: 100		
321-60-8	2-Fluorobiphenyl	48.0			20 - 109	48%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	92.3			10 - 116	62%	SPK: 150		
1718-51-0	Terphenyl-d14	48.2			10 - 105	48%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	13400							
1146-65-2	Naphthalene-d8	53200							
15067-26-2	Acenaphthene-d10	39200							
1517-22-2	Phenanthrene-d10	94600							
1719-03-5	Chrysene-d12	112000							
1520-96-3	Perylene-d12	127000							
TENTATIVE IDENTIFIED COMPOUNDS									
000119-61-9	Benzophenone	430	J			15.8	ug/Kg		
000057-10-3	n-Hexadecanoic acid	340	J			18.1	ug/Kg		

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Report of Analysis

Client:	AECOM	Date Collected:	10/15/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	COMP01-20251015	SDG No.:	Q3363
Lab Sample ID:	Q3363-05	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	55.4
Sample Wt/Vol:	30.07 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

QC SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Surrogate Summary

SW-846

SDG No.: Q3363

Client: AECOM

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB170144BL	PB170144BL	2-Fluorophenol	150	158	106		18	112
		Phenol-d6	150	146	97		15	107
		Nitrobenzene-d5	100	93.6	94		18	107
		2-Fluorobiphenyl	100	95.0	95		20	109
		2,4,6-Tribromophenol	150	147	98		10	116
		Terphenyl-d14	100	101	101		10	105
PB170144BS	PB170144BS	2-Fluorophenol	150	142	94		18	112
		Phenol-d6	150	141	94		15	107
		Nitrobenzene-d5	100	84.2	84		18	107
		2-Fluorobiphenyl	100	83.3	83		20	109
		2,4,6-Tribromophenol	150	133	89		10	116
		Terphenyl-d14	100	85.2	85		10	105
Q3363-01	PR132-SO1-085011-20251015	2-Fluorophenol	150	62.3	42		18	112
		Phenol-d6	150	55.4	37		15	107
		Nitrobenzene-d5	100	36.7	37		18	107
		2-Fluorobiphenyl	100	33.2	33		20	109
		2,4,6-Tribromophenol	150	63.7	42		10	116
		Terphenyl-d14	100	32.4	32		10	105
Q3363-02	PR132-SO1-039085-20251015	2-Fluorophenol	150	92.7	62		18	112
		Phenol-d6	150	85.0	57		15	107
		Nitrobenzene-d5	100	54.5	54		18	107
		2-Fluorobiphenyl	100	53.8	54		20	109
		2,4,6-Tribromophenol	150	92.0	61		10	116
		Terphenyl-d14	100	51.9	52		10	105
Q3363-03	PR132-SO3-028010-20251015	2-Fluorophenol	150	79.7	53		18	112
		Phenol-d6	150	78.7	52		15	107
		Nitrobenzene-d5	100	48.3	48		18	107
		2-Fluorobiphenyl	100	43.4	43		20	109
		2,4,6-Tribromophenol	150	58.4	39		10	116
		Terphenyl-d14	100	38.1	38		10	105
Q3363-04	PR132-SO3-010013-20251015	2-Fluorophenol	150	65.3	44		18	112
		Phenol-d6	150	64.9	43		15	107
		Nitrobenzene-d5	100	39.3	39		18	107
		2-Fluorobiphenyl	100	35.0	35		20	109
		2,4,6-Tribromophenol	150	44.4	30		10	116
		Terphenyl-d14	100	27.5	27		10	105
Q3363-05	COMP01-20251015	2-Fluorophenol	150	87.5	58		18	112
		Phenol-d6	150	82.3	55		15	107
		Nitrobenzene-d5	100	55.2	55		18	107
		2-Fluorobiphenyl	100	48.0	48		20	109
		2,4,6-Tribromophenol	150	92.3	62		10	116
		Terphenyl-d14	100	48.2	48		10	105
Q3363-05MS	COMP01-20251015MS	2-Fluorophenol	150	80.7	54		18	112
		Phenol-d6	150	76.7	51		15	107
		Nitrobenzene-d5	100	50.5	50		18	107
		2-Fluorobiphenyl	100	42.2	42		20	109
		2,4,6-Tribromophenol	150	80.7	54		10	116
		Terphenyl-d14	100	42.8	43		10	105
Q3363-05MSD	COMP01-20251015MSD	2-Fluorophenol	150	100	67		18	112
		Phenol-d6	150	95.3	64		15	107
		Nitrobenzene-d5	100	59.1	59		18	107

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Surrogate Summary

SW-846

SDG No.: Q3363

Client: AECOM

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q3363-05MSD	COMP01-20251015MSD	2-Fluorobiphenyl	100	48.8	49		20	109
		2,4,6-Tribromophenol	150	93.5	62		10	116
		Terphenyl-d14	100	52.2	52		10	105

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3363 **Analytical Method:** SW8270E

Client: AECOM **DataFile:** BG064539.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q3363-05MS		**Client Sample ID: COMP01-20251015MS**									
Benzaldehyde	3000	0	1200	ug/Kg	40				10	171	
Phenol	3000	0	2800	ug/Kg	93				51	122	
bis(2-Chloroethyl)ether	3000	0	2600	ug/Kg	87				54	125	
2-Chlorophenol	3000	0	2800	ug/Kg	93				51	121	
2-Methylphenol	3000	0	2800	ug/Kg	93				47	125	
2,2-oxybis(1-Chloropropane)	3000	0	2400	ug/Kg	80				46	119	
Acetophenone	3000	0	3100	ug/Kg	103				55	128	
3+4-Methylphenols	3000	0	2600	ug/Kg	87				49	125	
N-Nitroso-di-n-propylamine	3000	0	2500	ug/Kg	83				59	119	
Hexachloroethane	3000	0	2700	ug/Kg	90				51	116	
Nitrobenzene	3000	0	2700	ug/Kg	90				47	124	
Isophorone	3000	0	2600	ug/Kg	87				49	127	
2-Nitrophenol	3000	0	2800	ug/Kg	93				43	131	
2,4-Dimethylphenol	3000	0	3000	ug/Kg	100				63	151	
bis(2-Chloroethoxy)methane	3000	0	2700	ug/Kg	90				51	119	
2,4-Dichlorophenol	3000	0	2900	ug/Kg	97				50	122	
Naphthalene	3000	0	2900	ug/Kg	97				51	121	
4-Chloroaniline	3000	0	1200	ug/Kg	40				10	100	
Hexachlorobutadiene	3000	0	3000	ug/Kg	100				44	126	
Caprolactam	3000	0	2400	ug/Kg	80				51	134	
4-Chloro-3-methylphenol	3000	0	2800	ug/Kg	93				57	132	
2-Methylnaphthalene	3000	0	2500	ug/Kg	83				59	123	
Hexachlorocyclopentadiene	6000	0	7700	ug/Kg	128				10	175	
2,4,6-Trichlorophenol	3000	0	2900	ug/Kg	97				33	141	
2,4,5-Trichlorophenol	3000	0	2900	ug/Kg	97				38	135	
1,1-Biphenyl	3000	0	3100	ug/Kg	103				55	131	
2-Chloronaphthalene	3000	0	2800	ug/Kg	93				48	124	
2-Nitroaniline	3000	0	2700	ug/Kg	90				47	134	
Dimethylphthalate	3000	0	2600	ug/Kg	87				54	120	
Acenaphthylene	3000	0	3200	ug/Kg	107				57	125	
2,6-Dinitrotoluene	3000	0	2800	ug/Kg	93				48	127	
3-Nitroaniline	3000	0	1900	ug/Kg	63				10	112	
Acenaphthene	3000	0	2700	ug/Kg	90				70	121	
2,4-Dinitrophenol	6000	0	4900	ug/Kg	82				10	155	
4-Nitrophenol	6000	0	5700	ug/Kg	95				10	175	
Dibenzofuran	3000	0	2700	ug/Kg	90				52	114	
2,4-Dinitrotoluene	3000	0	2800	ug/Kg	93				41	140	
Diethylphthalate	3000	0	2600	ug/Kg	87				51	119	
4-Chlorophenyl-phenylether	3000	0	2700	ug/Kg	90				48	122	
Fluorene	3000	0	2800	ug/Kg	93				53	118	
4-Nitroaniline	3000	0	2800	ug/Kg	93				29	140	
4,6-Dinitro-2-methylphenol	3000	0	2900	ug/Kg	97				10	160	
N-Nitrosodiphenylamine	3000	0	2900	ug/Kg	97				73	118	
4-Bromophenyl-phenylether	3000	0	2900	ug/Kg	97				65	121	
Hexachlorobenzene	3000	0	2900	ug/Kg	97				67	118	
Atrazine	3000	0	3000	ug/Kg	100				45	175	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3363 **Analytical Method:** SW8270E

Client: AECOM **DataFile:** BG064539.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Pentachlorophenol	6000	0	6300	ug/Kg	105				13	153	
Phenanthrene	3000	0	2900	ug/Kg	97				52	128	
Anthracene	3000	0	2900	ug/Kg	97				62	124	
Carbazole	3000	0	3000	ug/Kg	100				59	119	
Di-n-butylphthalate	3000	0	2900	ug/Kg	97				55	125	
Fluoranthene	3000	230	3100	ug/Kg	96				44	125	
Pyrene	3000	220	2700	ug/Kg	83				37	122	
Butylbenzylphthalate	3000	0	2800	ug/Kg	93				44	135	
3,3-Dichlorobenzidine	3000	0	1400	ug/Kg	47				15	112	
Benzo(a)anthracene	3000	160	2900	ug/Kg	91				53	119	
Chrysene	3000	150	2900	ug/Kg	92				57	121	
bis(2-Ethylhexyl)phthalate	3000	0	2900	ug/Kg	97				42	169	
Di-n-octyl phthalate	3000	0	2900	ug/Kg	97				51	156	
Benzo(b)fluoranthene	3000	200	3000	ug/Kg	93				52	117	
Benzo(k)fluoranthene	3000	0	2800	ug/Kg	93				57	134	
Benzo(a)pyrene	3000	220	3100	ug/Kg	96				70	142	
Indeno(1,2,3-cd)pyrene	3000	0	3000	ug/Kg	100				40	129	
Dibenz(a,h)anthracene	3000	0	2900	ug/Kg	97				43	123	
Benzo(g,h,i)perylene	3000	170	3100	ug/Kg	98				24	125	
1,2,4,5-Tetrachlorobenzene	3000	0	3200	ug/Kg	107				52	134	
1,4-Dioxane	3000	0	2100	ug/Kg	70				46	112	
2,3,4,6-Tetrachlorophenol	3000	0	2900	ug/Kg	97				24	146	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3363 **Analytical Method:** SW8270E

Client: AECOM **DataFile:** BG064540.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q3363-05MSD		**Client Sample ID: COMP01-20251015MSD**									
Benzaldehyde	3000	0	1600	ug/Kg	53		28	*	10	171	20
Phenol	3000	0	3400	ug/Kg	113		19		51	122	20
bis(2-Chloroethyl)ether	3000	0	3200	ug/Kg	107		21	*	54	125	20
2-Chlorophenol	3000	0	3500	ug/Kg	117		23	*	51	121	20
2-Methylphenol	3000	0	3500	ug/Kg	117		23	*	47	125	20
2,2-oxybis(1-Chloropropane)	3000	0	3000	ug/Kg	100		22	*	46	119	20
Acetophenone	3000	0	3800	ug/Kg	127		21	*	55	128	20
3+4-Methylphenols	3000	0	3400	ug/Kg	113		26	*	49	125	20
N-Nitroso-di-n-propylamine	3000	0	3200	ug/Kg	107		25	*	59	119	20
Hexachloroethane	3000	0	3400	ug/Kg	113		23	*	51	116	20
Nitrobenzene	3000	0	3400	ug/Kg	113		23	*	47	124	20
Isophorone	3000	0	3200	ug/Kg	107		21	*	49	127	20
2-Nitrophenol	3000	0	3400	ug/Kg	113		19		43	131	20
2,4-Dimethylphenol	3000	0	3900	ug/Kg	130		26	*	63	151	20
bis(2-Chloroethoxy)methane	3000	0	3300	ug/Kg	110		20		51	119	20
2,4-Dichlorophenol	3000	0	3600	ug/Kg	120		21	*	50	122	20
Naphthalene	3000	0	3500	ug/Kg	117		19		51	121	20
4-Chloroaniline	3000	0	1300	ug/Kg	43		7		10	100	20
Hexachlorobutadiene	3000	0	3600	ug/Kg	120		18		44	126	20
Caprolactam	3000	0	3200	ug/Kg	107		29	*	51	134	20
4-Chloro-3-methylphenol	3000	0	3500	ug/Kg	117		23	*	57	132	20
2-Methylnaphthalene	3000	0	3000	ug/Kg	100		19		59	123	20
Hexachlorocyclopentadiene	6000	0	8800	ug/Kg	147		14		10	175	20
2,4,6-Trichlorophenol	3000	0	3500	ug/Kg	117		19		33	141	20
2,4,5-Trichlorophenol	3000	0	3400	ug/Kg	113		15		38	135	20
1,1-Biphenyl	3000	0	3600	ug/Kg	120		15		55	131	20
2-Chloronaphthalene	3000	0	3300	ug/Kg	110		17		48	124	20
2-Nitroaniline	3000	0	3300	ug/Kg	110		20		47	134	20
Dimethylphthalate	3000	0	3100	ug/Kg	103		17		54	120	20
Acenaphthylene	3000	0	3800	ug/Kg	127	*	17		57	125	20
2,6-Dinitrotoluene	3000	0	3300	ug/Kg	110		17		48	127	20
3-Nitroaniline	3000	0	2000	ug/Kg	67		6		10	112	20
Acenaphthene	3000	0	3200	ug/Kg	107		17		70	121	20
2,4-Dinitrophenol	6000	0	5700	ug/Kg	95		15		10	155	20
4-Nitrophenol	6000	0	6700	ug/Kg	112		16		10	175	20
Dibenzofuran	3000	0	3300	ug/Kg	110		20		52	114	20
2,4-Dinitrotoluene	3000	0	3300	ug/Kg	110		17		41	140	20
Diethylphthalate	3000	0	3100	ug/Kg	103		17		51	119	20
4-Chlorophenyl-phenylether	3000	0	3200	ug/Kg	107		17		48	122	20
Fluorene	3000	0	3400	ug/Kg	113		19		53	118	20
4-Nitroaniline	3000	0	3300	ug/Kg	110		17		29	140	20
4,6-Dinitro-2-methylphenol	3000	0	3400	ug/Kg	113		15		10	160	20
N-Nitrosodiphenylamine	3000	0	3600	ug/Kg	120	*	21	*	73	118	20
4-Bromophenyl-phenylether	3000	0	3500	ug/Kg	117		19		65	121	20
Hexachlorobenzene	3000	0	3500	ug/Kg	117		19		67	118	20
Atrazine	3000	0	3700	ug/Kg	123		21	*	45	175	20

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3363 **Analytical Method:** SW8270E

Client: AECOM **DataFile:** BG064540.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Pentachlorophenol	6000	0	7600	ug/Kg	127		19		13	153	20
Phenanthrene	3000	0	3400	ug/Kg	113		15		52	128	20
Anthracene	3000	0	3500	ug/Kg	117		19		62	124	20
Carbazole	3000	0	3600	ug/Kg	120	*	18		59	119	20
Di-n-butylphthalate	3000	0	3500	ug/Kg	117		19		55	125	20
Fluoranthene	3000	230	3700	ug/Kg	116		19		44	125	20
Pyrene	3000	220	3400	ug/Kg	106		24	*	37	122	20
Butylbenzylphthalate	3000	0	3400	ug/Kg	113		19		44	135	20
3,3-Dichlorobenzidine	3000	0	1600	ug/Kg	53		12		15	112	20
Benzo(a)anthracene	3000	160	3700	ug/Kg	118		26	*	53	119	20
Chrysene	3000	150	3600	ug/Kg	115		22	*	57	121	20
bis(2-Ethylhexyl)phthalate	3000	0	3600	ug/Kg	120		21	*	42	169	20
Di-n-octyl phthalate	3000	0	3500	ug/Kg	117		19		51	156	20
Benzo(b)fluoranthene	3000	200	3500	ug/Kg	110		17		52	117	20
Benzo(k)fluoranthene	3000	0	3500	ug/Kg	117		23	*	57	134	20
Benzo(a)pyrene	3000	220	3800	ug/Kg	119		21	*	70	142	20
Indeno(1,2,3-cd)pyrene	3000	0	3500	ug/Kg	117		16		40	129	20
Dibenz(a,h)anthracene	3000	0	3600	ug/Kg	120		21	*	43	123	20
Benzo(g,h,i)perylene	3000	170	3800	ug/Kg	121		21	*	24	125	20
1,2,4,5-Tetrachlorobenzene	3000	0	3700	ug/Kg	123		14		52	134	20
1,4-Dioxane	3000	0	2700	ug/Kg	90		25	*	46	112	20
2,3,4,6-Tetrachlorophenol	3000	0	3500	ug/Kg	117		19		24	146	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3363 **Analytical Method:** 8270E

Client: AECOM **DataFile:** BG064534.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB170144BS	Benzaldehyde	1700	710	ug/Kg	42				10	133	
	Phenol	1700	1700	ug/Kg	100				62	112	
	bis(2-Chloroethyl)ether	1700	1400	ug/Kg	82				60	101	
	2-Chlorophenol	1700	1600	ug/Kg	94				65	112	
	2-Methylphenol	1700	1600	ug/Kg	94				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1300	ug/Kg	76				51	100	
	Acetophenone	1700	1600	ug/Kg	94				66	98	
	3+4-Methylphenols	1700	1600	ug/Kg	94				58	111	
	N-Nitroso-di-n-propylamine	1700	1600	ug/Kg	94				63	95	
	Hexachloroethane	1700	1500	ug/Kg	88				72	108	
	Nitrobenzene	1700	1500	ug/Kg	88				57	101	
	Isophorone	1700	1400	ug/Kg	82				59	99	
	2-Nitrophenol	1700	1500	ug/Kg	88				61	111	
	2,4-Dimethylphenol	1700	1700	ug/Kg	100				46	141	
	bis(2-Chloroethoxy)methane	1700	1500	ug/Kg	88				66	97	
	2,4-Dichlorophenol	1700	1600	ug/Kg	94				62	107	
	Naphthalene	1700	1500	ug/Kg	88				62	100	
	4-Chloroaniline	1700	890	ug/Kg	52				16	100	
	Hexachlorobutadiene	1700	1500	ug/Kg	88				53	98	
	Caprolactam	1700	1500	ug/Kg	88				67	110	
	4-Chloro-3-methylphenol	1700	1500	ug/Kg	88				58	112	
	2-Methylnaphthalene	1700	1300	ug/Kg	76				60	104	
	Hexachlorocyclopentadiene	3300	4400	ug/Kg	133				45	165	
	2,4,6-Trichlorophenol	1700	1500	ug/Kg	88				59	102	
	2,4,5-Trichlorophenol	1700	1600	ug/Kg	94				61	98	
	1,1-Biphenyl	1700	1600	ug/Kg	94				57	103	
	2-Chloronaphthalene	1700	1400	ug/Kg	82				58	99	
	2-Nitroaniline	1700	1500	ug/Kg	88				66	101	
	Dimethylphthalate	1700	1400	ug/Kg	82				61	99	
	Acenaphthylene	1700	1700	ug/Kg	100				63	101	
	2,6-Dinitrotoluene	1700	1500	ug/Kg	88				61	104	
	3-Nitroaniline	1700	1000	ug/Kg	59				28	100	
	Acenaphthene	1700	1400	ug/Kg	82				57	104	
	2,4-Dinitrophenol	3300	2800	ug/Kg	85				37	128	
	4-Nitrophenol	3300	3000	ug/Kg	91				48	119	
	Dibenzofuran	1700	1500	ug/Kg	88				63	99	
	2,4-Dinitrotoluene	1700	1500	ug/Kg	88				60	106	
	Diethylphthalate	1700	1500	ug/Kg	88				60	101	
	4-Chlorophenyl-phenylether	1700	1500	ug/Kg	88				58	98	
	Fluorene	1700	1500	ug/Kg	88				61	101	
	4-Nitroaniline	1700	1600	ug/Kg	94				64	103	
	4,6-Dinitro-2-methylphenol	1700	1600	ug/Kg	94				76	113	
	N-Nitrosodiphenylamine	1700	1600	ug/Kg	94				71	99	
	4-Bromophenyl-phenylether	1700	1500	ug/Kg	88				66	102	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3363 **Analytical Method:** 8270E

Client: AECOM **DataFile:** BG064534.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB170144BS	Hexachlorobenzene	1700	1600	ug/Kg	94				64	98	
	Atrazine	1700	1600	ug/Kg	94				47	152	
	Pentachlorophenol	3300	3300	ug/Kg	100				67	105	
	Phenanthrene	1700	1500	ug/Kg	88				59	103	
	Anthracene	1700	1600	ug/Kg	94				61	105	
	Carbazole	1700	1600	ug/Kg	94				61	99	
	Di-n-butylphthalate	1700	1500	ug/Kg	88				58	104	
	Fluoranthene	1700	1600	ug/Kg	94				57	107	
	Pyrene	1700	1400	ug/Kg	82				59	103	
	Butylbenzylphthalate	1700	1500	ug/Kg	88				55	103	
	3,3-Dichlorobenzidine	1700	1000	ug/Kg	59				42	91	
	Benzo(a)anthracene	1700	1500	ug/Kg	88				60	102	
	Chrysene	1700	1500	ug/Kg	88				59	101	
	bis(2-Ethylhexyl)phthalate	1700	1500	ug/Kg	88				54	135	
	Di-n-octyl phthalate	1700	1500	ug/Kg	88				52	137	
	Benzo(b)fluoranthene	1700	1600	ug/Kg	94				62	109	
	Benzo(k)fluoranthene	1700	1600	ug/Kg	94				62	109	
	Benzo(a)pyrene	1700	1600	ug/Kg	94				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1600	ug/Kg	94				63	101	
	Dibenz(a,h)anthracene	1700	1600	ug/Kg	94				61	112	
	Benzo(g,h,i)perylene	1700	1600	ug/Kg	94				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1600	ug/Kg	94				53	101	
	1,4-Dioxane	1700	1100	ug/Kg	65				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1600	ug/Kg	94				59	108	

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID: PB170144BL

Lab Name: Alliance | Contract: AECO02

Lab Code: ACE | SDG NO.: Q3363

Lab File ID: BG064533.D | Lab Sample ID: PB170144BL

Instrument ID: BNA_G | Date Extracted: 10/17/2025

Matrix: (soil/water) SOIL | Date Analyzed: 10/17/2025

Level: (low/med) LOW | Time Analyzed: 13:02

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB170144BS	PB170144BS	BG064534.D	10/17/2025
PR132-SO1-085011-20251015	Q3363-01	BG064537.D	10/17/2025
PR132-SO1-039085-20251015	Q3363-02	BG064542.D	10/17/2025
COMP01-20251015	Q3363-05	BG064538.D	10/17/2025
COMP01-20251015MS	Q3363-05MS	BG064539.D	10/17/2025
COMP01-20251015MSD	Q3363-05MSD	BG064540.D	10/17/2025
PR132-SO3-028010-20251015	Q3363-03	BF143993.D	10/17/2025
PR132-SO3-010013-20251015	Q3363-04	BF143994.D	10/17/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG NO.: Q3363

Lab File ID: BF143874.D DFTPP Injection Date: 10/06/2025

Instrument ID: BNA_F DFTPP Injection Time: 09:30

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.4 (1.6) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.1 (0.4) 1
197	Less than 2.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
365	Greater than 1% of mass 198	4.3
441	Present, but less than mass 443	78
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.6 (19.6) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF143875.D	10/06/2025	09:59
SSTDICC005	SSTDICC005	BF143876.D	10/06/2025	10:28
SSTDICC010	SSTDICC010	BF143877.D	10/06/2025	10:57
SSTDICC020	SSTDICC020	BF143878.D	10/06/2025	11:56
SSTDICCC040	SSTDICCC040	BF143879.D	10/06/2025	12:54
SSTDICC050	SSTDICC050	BF143880.D	10/06/2025	13:23
SSTDICC060	SSTDICC060	BF143881.D	10/06/2025	13:53
SSTDICC080	SSTDICC080	BF143882.D	10/06/2025	14:22

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG NO.: Q3363

Lab File ID: BF143983.D DFTPP Injection Date: 10/17/2025

Instrument ID: BNA_F DFTPP Injection Time: 14:14

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.3 (1.7) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.1 (0.6) 1
197	Less than 2.0% of mass 198	0.1
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
365	Greater than 1% of mass 198	5.0
441	Present, but less than mass 443	82.2
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.3 (19.3) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF143984.D	10/17/2025	14:43
PR132-SO3-028010-20251015	Q3363-03	BF143993.D	10/17/2025	19:12
PR132-SO3-010013-20251015	Q3363-04	BF143994.D	10/17/2025	19:41

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG NO.: Q3363

Lab File ID: BG064472.D DFTPP Injection Date: 10/02/2025

Instrument ID: BNA_G DFTPP Injection Time: 08:21

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.3 (1.1) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.1 (0.4) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
365	Greater than 1% of mass 198	7.1
441	Present, but less than mass 443	86.2
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.5 (19.5) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BG064473.D	10/02/2025	09:01
SSTDICC005	SSTDICC005	BG064474.D	10/02/2025	09:42
SSTDICC020	SSTDICC020	BG064476.D	10/02/2025	11:33
SSTDICCC040	SSTDICCC040	BG064477.D	10/02/2025	12:14
SSTDICC050	SSTDICC050	BG064478.D	10/02/2025	12:55
SSTDICC060	SSTDICC060	BG064479.D	10/02/2025	13:35
SSTDICC080	SSTDICC080	BG064480.D	10/02/2025	14:16
SSTDICC010	SSTDICC010	BG064481.D	10/02/2025	15:49

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance | Contract: AECO02

Lab Code: ACE | SDG NO.: Q3363

Lab File ID: BG064530.D | DFTPP Injection Date: 10/17/2025

Instrument ID: BNA_G | DFTPP Injection Time: 10:59

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.4 (1.4) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.1 (0.4) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7.2
365	Greater than 1% of mass 198	6.6
441	Present, but less than mass 443	16.7
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.5 (19.7) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BG064531.D	10/17/2025	11:39
PB170144BL	PB170144BL	BG064533.D	10/17/2025	13:02
PB170144BS	PB170144BS	BG064534.D	10/17/2025	13:43
PR132-SO1-085011-20251015	Q3363-01	BG064537.D	10/17/2025	15:48
COMP01-20251015	Q3363-05	BG064538.D	10/17/2025	16:29
COMP01-20251015MS	Q3363-05MS	BG064539.D	10/17/2025	17:10
COMP01-20251015MSD	Q3363-05MSD	BG064540.D	10/17/2025	17:51
PR132-SO1-039085-20251015	Q3363-02	BG064542.D	10/17/2025	19:12

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3363

Client ID : SSTDCCC040 Date Analyzed: 10/17/2025

Lab File ID: BF143984.D Time Analyzed: 14:43

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	156623	6.887	566623	8.17	278942	9.92
	UPPER LIMIT	313246	7.387	1133250	8.669	557884	10.422
	LOWER LIMIT	78311.5	6.387	283312	7.669	139471	9.422
	EPA SAMPLE NO.						
01	PR132-SO3-028010-20251015	104129	6.88	397063	8.16	206624	9.92
02	PR132-SO3-010013-20251015	95256	6.88	358249	8.16	180230	9.92

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3363

Client ID: SSTDCCC040 Date Analyzed: 10/17/2025

Lab File ID: BF143984.D Time Analyzed: 14:43

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	461614	11.416	286617	14.069	311878	15.551
	UPPER LIMIT	923228	11.916	573234	14.569	623756	16.051
	LOWER LIMIT	230807	10.916	143309	13.569	155939	15.051
	EPA SAMPLE NO.						
01	PR132-SO3-028010-20251015	340601	11.41	243470	14.06	303323	15.55
02	PR132-SO3-010013-20251015	275607	11.41	207243	14.06	275767	15.55

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3363

Client ID : SSTDCCC040 Date Analyzed: 10/17/2025

Lab File ID: BG064531.D Time Analyzed: 11:39

Instrument ID: BNA_G GC Column: ZB-GR ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	15109	7.82	59855	10.61	45410	14.45
	UPPER LIMIT	30218	8.32	119710	11.105	90820	14.947
	LOWER LIMIT	7554.5	7.32	29927.5	10.105	22705	13.947
	EPA SAMPLE NO.						
01	PB170144BL	15169	7.82	63951	10.60	47990	14.44
02	PB170144BS	13548	7.82	60553	10.60	47398	14.45
03	PR132-SO1-085011-20251015	15692	7.82	62273	10.60	44210	14.44
04	COMP01-20251015	13378	7.82	53157	10.61	39158	14.44
05	COMP01-20251015MS	14953	7.82	59781	10.60	44289	14.44
06	COMP01-20251015MSD	12958	7.82	53760	10.61	42324	14.45
07	PR132-SO1-039085-20251015	14350	7.82	59289	10.60	41893	14.45

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3363

Client ID: SSTDCCC040 Date Analyzed: 10/17/2025

Lab File ID: BG064531.D Time Analyzed: 11:39

Instrument ID: BNA_G GC Column: ZB-GR ID: 0.25 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	113433	17.185	121987	21.416	135397	24.389
	UPPER LIMIT	226866	17.685	243974	21.916	270794	24.889
	LOWER LIMIT	56716.5	16.685	60993.5	20.916	67698.5	23.889
	EPA SAMPLE NO.						
01	PB170144BL	119250	17.19	136283	21.41	149804	24.39
02	PB170144BS	115978	17.19	125702	21.41	135853	24.39
03	PR132-SO1-085011-20251015	107542	17.19	122736	21.41	135244	24.39
04	COMP01-20251015	94623	17.19	112080	21.41	127010	24.40
05	COMP01-20251015MS	105365	17.19	119699	21.41	135091	24.40
06	COMP01-20251015MSD	98552	17.19	108444	21.42	124972	24.40
07	PR132-SO1-039085-20251015	102654	17.19	115906	21.41	131885	24.40

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

QC SAMPLE DATA

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Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	PB170144BL	SDG No.:	Q3363
Lab Sample ID:	PB170144BL	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	100
Sample Wt/Vol:	30.03 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	330	U	1	160	330	ug/Kg	10/17/25 13:02	PB170144
108-95-2	Phenol	170	U	1	22.1	170	ug/Kg	10/17/25 13:02	PB170144
111-44-4	bis(2-Chloroethyl)ether	170	U	1	24.3	170	ug/Kg	10/17/25 13:02	PB170144
95-57-8	2-Chlorophenol	170	U	1	24.4	170	ug/Kg	10/17/25 13:02	PB170144
95-48-7	2-Methylphenol	170	U	1	29.9	170	ug/Kg	10/17/25 13:02	PB170144
108-60-1	2,2-oxybis(1-Chloropropane)	170	U	1	37.5	170	ug/Kg	10/17/25 13:02	PB170144
98-86-2	Acetophenone	170	U	1	29.5	170	ug/Kg	10/17/25 13:02	PB170144
65794-96-9	3+4-Methylphenols	330	U	1	41.1	330	ug/Kg	10/17/25 13:02	PB170144
621-64-7	n-Nitroso-di-n-propylamine	79.9	U	1	47.4	79.9	ug/Kg	10/17/25 13:02	PB170144
67-72-1	Hexachloroethane	170	U	1	17.6	170	ug/Kg	10/17/25 13:02	PB170144
98-95-3	Nitrobenzene	170	U	1	18.3	170	ug/Kg	10/17/25 13:02	PB170144
78-59-1	Isophorone	170	U	1	32.8	170	ug/Kg	10/17/25 13:02	PB170144
88-75-5	2-Nitrophenol	170	U	1	58.1	170	ug/Kg	10/17/25 13:02	PB170144
105-67-9	2,4-Dimethylphenol	170	U	1	64.7	170	ug/Kg	10/17/25 13:02	PB170144
111-91-1	bis(2-Chloroethoxy)methane	170	U	1	30.8	170	ug/Kg	10/17/25 13:02	PB170144
120-83-2	2,4-Dichlorophenol	170	U	1	28.3	170	ug/Kg	10/17/25 13:02	PB170144
91-20-3	Naphthalene	170	U	1	22.7	170	ug/Kg	10/17/25 13:02	PB170144
106-47-8	4-Chloroaniline	170	U	1	35.4	170	ug/Kg	10/17/25 13:02	PB170144
87-68-3	Hexachlorobutadiene	170	U	1	25.3	170	ug/Kg	10/17/25 13:02	PB170144
105-60-2	Caprolactam	330	U	1	52.0	330	ug/Kg	10/17/25 13:02	PB170144
59-50-7	4-Chloro-3-methylphenol	170	U	1	28.7	170	ug/Kg	10/17/25 13:02	PB170144
91-57-6	2-Methylnaphthalene	170	U	1	25.6	170	ug/Kg	10/17/25 13:02	PB170144
77-47-4	Hexachlorocyclopentadiene	330	U	1	120	330	ug/Kg	10/17/25 13:02	PB170144
88-06-2	2,4,6-Trichlorophenol	170	U	1	19.8	170	ug/Kg	10/17/25 13:02	PB170144
95-95-4	2,4,5-Trichlorophenol	170	U	1	29.1	170	ug/Kg	10/17/25 13:02	PB170144
92-52-4	1,1-Biphenyl	170	U	1	21.8	170	ug/Kg	10/17/25 13:02	PB170144
91-58-7	2-Chloronaphthalene	170	U	1	22.5	170	ug/Kg	10/17/25 13:02	PB170144
88-74-4	2-Nitroaniline	170	U	1	48.1	170	ug/Kg	10/17/25 13:02	PB170144
131-11-3	Dimethylphthalate	170	U	1	27.1	170	ug/Kg	10/17/25 13:02	PB170144
208-96-8	Acenaphthylene	170	U	1	28.9	170	ug/Kg	10/17/25 13:02	PB170144
606-20-2	2,6-Dinitrotoluene	170	U	1	33.6	170	ug/Kg	10/17/25 13:02	PB170144
99-09-2	3-Nitroaniline	170	U	1	46.0	170	ug/Kg	10/17/25 13:02	PB170144
83-32-9	Acenaphthene	170	U	1	21.3	170	ug/Kg	10/17/25 13:02	PB170144
51-28-5	2,4-Dinitrophenol	330	U	1	230	330	ug/Kg	10/17/25 13:02	PB170144
100-02-7	4-Nitrophenol	330	U	1	110	330	ug/Kg	10/17/25 13:02	PB170144
132-64-9	Dibenzofuran	170	U	1	22.7	170	ug/Kg	10/17/25 13:02	PB170144
121-14-2	2,4-Dinitrotoluene	170	U	1	50.0	170	ug/Kg	10/17/25 13:02	PB170144
84-66-2	Diethylphthalate	170	U	1	28.3	170	ug/Kg	10/17/25 13:02	PB170144
7005-72-3	4-Chlorophenyl-phenylether	170	U	1	26.7	170	ug/Kg	10/17/25 13:02	PB170144
86-73-7	Fluorene	170	U	1	25.3	170	ug/Kg	10/17/25 13:02	PB170144
100-01-6	4-Nitroaniline	170	U	1	64.1	170	ug/Kg	10/17/25 13:02	PB170144
534-52-1	4,6-Dinitro-2-methylphenol	330	U	1	100	330	ug/Kg	10/17/25 13:02	PB170144

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Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	PB170144BL	SDG No.:	Q3363
Lab Sample ID:	PB170144BL	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	100
Sample Wt/Vol:	30.03 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	170	U	1	32.9	170	ug/Kg	10/17/25 13:02	PB170144
101-55-3	4-Bromophenyl-phenylether	170	U	1	27.8	170	ug/Kg	10/17/25 13:02	PB170144
118-74-1	Hexachlorobenzene	170	U	1	25.3	170	ug/Kg	10/17/25 13:02	PB170144
1912-24-9	Atrazine	170	U	1	34.0	170	ug/Kg	10/17/25 13:02	PB170144
87-86-5	Pentachlorophenol	330	U	1	51.2	330	ug/Kg	10/17/25 13:02	PB170144
85-01-8	Phenanthrene	170	U	1	20.9	170	ug/Kg	10/17/25 13:02	PB170144
120-12-7	Anthracene	170	U	1	33.3	170	ug/Kg	10/17/25 13:02	PB170144
86-74-8	Carbazole	170	U	1	31.2	170	ug/Kg	10/17/25 13:02	PB170144
84-74-2	Di-n-butylphthalate	170	U	1	47.9	170	ug/Kg	10/17/25 13:02	PB170144
206-44-0	Fluoranthene	170	U	1	30.0	170	ug/Kg	10/17/25 13:02	PB170144
129-00-0	Pyrene	170	U	1	36.0	170	ug/Kg	10/17/25 13:02	PB170144
85-68-7	Butylbenzylphthalate	170	U	1	71.3	170	ug/Kg	10/17/25 13:02	PB170144
91-94-1	3,3-Dichlorobenzidine	330	U	1	36.7	330	ug/Kg	10/17/25 13:02	PB170144
56-55-3	Benzo(a)anthracene	170	U	1	23.0	170	ug/Kg	10/17/25 13:02	PB170144
218-01-9	Chrysene	170	U	1	19.9	170	ug/Kg	10/17/25 13:02	PB170144
117-81-7	Bis(2-ethylhexyl)phthalate	170	U	1	59.1	170	ug/Kg	10/17/25 13:02	PB170144
117-84-0	Di-n-octyl phthalate	330	U	1	86.7	330	ug/Kg	10/17/25 13:02	PB170144
205-99-2	Benzo(b)fluoranthene	170	U	1	19.0	170	ug/Kg	10/17/25 13:02	PB170144
207-08-9	Benzo(k)fluoranthene	170	U	1	22.4	170	ug/Kg	10/17/25 13:02	PB170144
50-32-8	Benzo(a)pyrene	170	U	1	29.5	170	ug/Kg	10/17/25 13:02	PB170144
193-39-5	Indeno(1,2,3-cd)pyrene	170	U	1	29.1	170	ug/Kg	10/17/25 13:02	PB170144
53-70-3	Dibenzo(a,h)anthracene	170	U	1	27.4	170	ug/Kg	10/17/25 13:02	PB170144
191-24-2	Benzo(g,h,i)perylene	170	U	1	25.7	170	ug/Kg	10/17/25 13:02	PB170144
95-94-3	1,2,4,5-Tetrachlorobenzene	170	U	1	25.6	170	ug/Kg	10/17/25 13:02	PB170144
123-91-1	1,4-Dioxane	170	U	1	45.2	170	ug/Kg	10/17/25 13:02	PB170144
58-90-2	2,3,4,6-Tetrachlorophenol	170	U	1	27.4	170	ug/Kg	10/17/25 13:02	PB170144
SURROGATES									
367-12-4	2-Fluorophenol	158			18 - 112	106%	SPK: 150		
13127-88-3	Phenol-d6	146			15 - 107	97%	SPK: 150		
4165-60-0	Nitrobenzene-d5	93.6			18 - 107	94%	SPK: 100		
321-60-8	2-Fluorobiphenyl	95.0			20 - 109	95%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	147			10 - 116	98%	SPK: 150		
1718-51-0	Terphenyl-d14	101			10 - 105	101%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	15200							
1146-65-2	Naphthalene-d8	64000							
15067-26-2	Acenaphthene-d10	48000							
1517-22-2	Phenanthrene-d10	119000							
1719-03-5	Chrysene-d12	136000							
1520-96-3	Perylene-d12	150000							

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Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	PB170144BL	SDG No.:	Q3363
Lab Sample ID:	PB170144BL	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	100
Sample Wt/Vol:	30.03 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	PB170144BS	SDG No.:	Q3363
Lab Sample ID:	PB170144BS	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	100
Sample Wt/Vol:	30.01 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	710		1	160	330	ug/Kg	10/17/25 13:43	PB170144
108-95-2	Phenol	1700		1	22.1	170	ug/Kg	10/17/25 13:43	PB170144
111-44-4	bis(2-Chloroethyl)ether	1400		1	24.3	170	ug/Kg	10/17/25 13:43	PB170144
95-57-8	2-Chlorophenol	1600		1	24.4	170	ug/Kg	10/17/25 13:43	PB170144
95-48-7	2-Methylphenol	1600		1	29.9	170	ug/Kg	10/17/25 13:43	PB170144
108-60-1	2,2-oxybis(1-Chloropropane)	1300		1	37.5	170	ug/Kg	10/17/25 13:43	PB170144
98-86-2	Acetophenone	1600		1	29.5	170	ug/Kg	10/17/25 13:43	PB170144
65794-96-9	3+4-Methylphenols	1600		1	41.1	330	ug/Kg	10/17/25 13:43	PB170144
621-64-7	n-Nitroso-di-n-propylamine	1600		1	47.4	80.0	ug/Kg	10/17/25 13:43	PB170144
67-72-1	Hexachloroethane	1500		1	17.6	170	ug/Kg	10/17/25 13:43	PB170144
98-95-3	Nitrobenzene	1500		1	18.3	170	ug/Kg	10/17/25 13:43	PB170144
78-59-1	Isophorone	1400		1	32.8	170	ug/Kg	10/17/25 13:43	PB170144
88-75-5	2-Nitrophenol	1500		1	58.2	170	ug/Kg	10/17/25 13:43	PB170144
105-67-9	2,4-Dimethylphenol	1700		1	64.8	170	ug/Kg	10/17/25 13:43	PB170144
111-91-1	bis(2-Chloroethoxy)methane	1500		1	30.8	170	ug/Kg	10/17/25 13:43	PB170144
120-83-2	2,4-Dichlorophenol	1600		1	28.3	170	ug/Kg	10/17/25 13:43	PB170144
91-20-3	Naphthalene	1500		1	22.7	170	ug/Kg	10/17/25 13:43	PB170144
106-47-8	4-Chloroaniline	890		1	35.4	170	ug/Kg	10/17/25 13:43	PB170144
87-68-3	Hexachlorobutadiene	1500		1	25.3	170	ug/Kg	10/17/25 13:43	PB170144
105-60-2	Caprolactam	1500		1	52.1	330	ug/Kg	10/17/25 13:43	PB170144
59-50-7	4-Chloro-3-methylphenol	1500		1	28.7	170	ug/Kg	10/17/25 13:43	PB170144
91-57-6	2-Methylnaphthalene	1300		1	25.6	170	ug/Kg	10/17/25 13:43	PB170144
77-47-4	Hexachlorocyclopentadiene	4400	E	1	120	330	ug/Kg	10/17/25 13:43	PB170144
88-06-2	2,4,6-Trichlorophenol	1500		1	19.8	170	ug/Kg	10/17/25 13:43	PB170144
95-95-4	2,4,5-Trichlorophenol	1600		1	29.1	170	ug/Kg	10/17/25 13:43	PB170144
92-52-4	1,1-Biphenyl	1600		1	21.8	170	ug/Kg	10/17/25 13:43	PB170144
91-58-7	2-Chloronaphthalene	1400		1	22.5	170	ug/Kg	10/17/25 13:43	PB170144
88-74-4	2-Nitroaniline	1500		1	48.1	170	ug/Kg	10/17/25 13:43	PB170144
131-11-3	Dimethylphthalate	1400		1	27.1	170	ug/Kg	10/17/25 13:43	PB170144
208-96-8	Acenaphthylene	1700		1	28.9	170	ug/Kg	10/17/25 13:43	PB170144
606-20-2	2,6-Dinitrotoluene	1500		1	33.6	170	ug/Kg	10/17/25 13:43	PB170144
99-09-2	3-Nitroaniline	1000		1	46.0	170	ug/Kg	10/17/25 13:43	PB170144
83-32-9	Acenaphthene	1400		1	21.3	170	ug/Kg	10/17/25 13:43	PB170144
51-28-5	2,4-Dinitrophenol	2800	E	1	230	330	ug/Kg	10/17/25 13:43	PB170144
100-02-7	4-Nitrophenol	3000	E	1	110	330	ug/Kg	10/17/25 13:43	PB170144
132-64-9	Dibenzofuran	1500		1	22.7	170	ug/Kg	10/17/25 13:43	PB170144
121-14-2	2,4-Dinitrotoluene	1500		1	50.1	170	ug/Kg	10/17/25 13:43	PB170144
84-66-2	Diethylphthalate	1500		1	28.3	170	ug/Kg	10/17/25 13:43	PB170144
7005-72-3	4-Chlorophenyl-phenylether	1500		1	26.7	170	ug/Kg	10/17/25 13:43	PB170144
86-73-7	Fluorene	1500		1	25.3	170	ug/Kg	10/17/25 13:43	PB170144
100-01-6	4-Nitroaniline	1600		1	64.2	170	ug/Kg	10/17/25 13:43	PB170144
534-52-1	4,6-Dinitro-2-methylphenol	1600		1	100	330	ug/Kg	10/17/25 13:43	PB170144

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Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	PB170144BS	SDG No.:	Q3363
Lab Sample ID:	PB170144BS	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	100
Sample Wt/Vol:	30.01 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	1600		1	32.9	170	ug/Kg	10/17/25 13:43	PB170144
101-55-3	4-Bromophenyl-phenylether	1500		1	27.8	170	ug/Kg	10/17/25 13:43	PB170144
118-74-1	Hexachlorobenzene	1600		1	25.3	170	ug/Kg	10/17/25 13:43	PB170144
1912-24-9	Atrazine	1600		1	34.0	170	ug/Kg	10/17/25 13:43	PB170144
87-86-5	Pentachlorophenol	3300	E	1	51.3	330	ug/Kg	10/17/25 13:43	PB170144
85-01-8	Phenanthrene	1500		1	20.9	170	ug/Kg	10/17/25 13:43	PB170144
120-12-7	Anthracene	1600		1	33.3	170	ug/Kg	10/17/25 13:43	PB170144
86-74-8	Carbazole	1600		1	31.2	170	ug/Kg	10/17/25 13:43	PB170144
84-74-2	Di-n-butylphthalate	1500		1	47.9	170	ug/Kg	10/17/25 13:43	PB170144
206-44-0	Fluoranthene	1600		1	30.0	170	ug/Kg	10/17/25 13:43	PB170144
129-00-0	Pyrene	1400		1	36.0	170	ug/Kg	10/17/25 13:43	PB170144
85-68-7	Butylbenzylphthalate	1500		1	71.4	170	ug/Kg	10/17/25 13:43	PB170144
91-94-1	3,3-Dichlorobenzidine	1000		1	36.7	330	ug/Kg	10/17/25 13:43	PB170144
56-55-3	Benzo(a)anthracene	1500		1	23.0	170	ug/Kg	10/17/25 13:43	PB170144
218-01-9	Chrysene	1500		1	19.9	170	ug/Kg	10/17/25 13:43	PB170144
117-81-7	Bis(2-ethylhexyl)phthalate	1500		1	59.2	170	ug/Kg	10/17/25 13:43	PB170144
117-84-0	Di-n-octyl phthalate	1500		1	86.8	330	ug/Kg	10/17/25 13:43	PB170144
205-99-2	Benzo(b)fluoranthene	1600		1	19.0	170	ug/Kg	10/17/25 13:43	PB170144
207-08-9	Benzo(k)fluoranthene	1600		1	22.4	170	ug/Kg	10/17/25 13:43	PB170144
50-32-8	Benzo(a)pyrene	1600		1	29.5	170	ug/Kg	10/17/25 13:43	PB170144
193-39-5	Indeno(1,2,3-cd)pyrene	1600		1	29.1	170	ug/Kg	10/17/25 13:43	PB170144
53-70-3	Dibenzo(a,h)anthracene	1600		1	27.4	170	ug/Kg	10/17/25 13:43	PB170144
191-24-2	Benzo(g,h,i)perylene	1600		1	25.7	170	ug/Kg	10/17/25 13:43	PB170144
95-94-3	1,2,4,5-Tetrachlorobenzene	1600		1	25.6	170	ug/Kg	10/17/25 13:43	PB170144
123-91-1	1,4-Dioxane	1100		1	45.2	170	ug/Kg	10/17/25 13:43	PB170144
58-90-2	2,3,4,6-Tetrachlorophenol	1600		1	27.4	170	ug/Kg	10/17/25 13:43	PB170144
SURROGATES									
367-12-4	2-Fluorophenol	142			18 - 112	94%	SPK: 150		
13127-88-3	Phenol-d6	141			15 - 107	94%	SPK: 150		
4165-60-0	Nitrobenzene-d5	84.2			18 - 107	84%	SPK: 100		
321-60-8	2-Fluorobiphenyl	83.3			20 - 109	83%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	133			10 - 116	89%	SPK: 150		
1718-51-0	Terphenyl-d14	85.2			10 - 105	85%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	13500							
1146-65-2	Naphthalene-d8	60600							
15067-26-2	Acenaphthene-d10	47400							
1517-22-2	Phenanthrene-d10	116000							
1719-03-5	Chrysene-d12	126000							
1520-96-3	Perylene-d12	136000							

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Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	PB170144BS	SDG No.:	Q3363
Lab Sample ID:	PB170144BS	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	100
Sample Wt/Vol:	30.01 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	AECOM	Date Collected:	10/15/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	COMP01-20251015MS	SDG No.:	Q3363
Lab Sample ID:	Q3363-05MS	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	55.4
Sample Wt/Vol:	30.02 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	1200		1	280	600	ug/Kg	10/17/25 17:10	PB170144
108-95-2	Phenol	2800		1	39.9	310	ug/Kg	10/17/25 17:10	PB170144
111-44-4	bis(2-Chloroethyl)ether	2600		1	43.8	310	ug/Kg	10/17/25 17:10	PB170144
95-57-8	2-Chlorophenol	2800		1	44.0	310	ug/Kg	10/17/25 17:10	PB170144
95-48-7	2-Methylphenol	2800		1	53.9	310	ug/Kg	10/17/25 17:10	PB170144
108-60-1	2,2-oxybis(1-Chloropropane)	2400		1	67.6	310	ug/Kg	10/17/25 17:10	PB170144
98-86-2	Acetophenone	3100		1	53.2	310	ug/Kg	10/17/25 17:10	PB170144
65794-96-9	3+4-Methylphenols	2600		1	74.1	600	ug/Kg	10/17/25 17:10	PB170144
621-64-7	n-Nitroso-di-n-propylamine	2500		1	85.5	140	ug/Kg	10/17/25 17:10	PB170144
67-72-1	Hexachloroethane	2700		1	31.7	310	ug/Kg	10/17/25 17:10	PB170144
98-95-3	Nitrobenzene	2700		1	33.0	310	ug/Kg	10/17/25 17:10	PB170144
78-59-1	Isophorone	2600		1	59.2	310	ug/Kg	10/17/25 17:10	PB170144
88-75-5	2-Nitrophenol	2800		1	100	310	ug/Kg	10/17/25 17:10	PB170144
105-67-9	2,4-Dimethylphenol	3000		1	120	310	ug/Kg	10/17/25 17:10	PB170144
111-91-1	bis(2-Chloroethoxy)methane	2700		1	55.6	310	ug/Kg	10/17/25 17:10	PB170144
120-83-2	2,4-Dichlorophenol	2900		1	51.0	310	ug/Kg	10/17/25 17:10	PB170144
91-20-3	Naphthalene	2900		1	40.9	310	ug/Kg	10/17/25 17:10	PB170144
106-47-8	4-Chloroaniline	1200		1	63.9	310	ug/Kg	10/17/25 17:10	PB170144
87-68-3	Hexachlorobutadiene	3000		1	45.6	310	ug/Kg	10/17/25 17:10	PB170144
105-60-2	Caprolactam	2400		1	94.0	600	ug/Kg	10/17/25 17:10	PB170144
59-50-7	4-Chloro-3-methylphenol	2800		1	51.8	310	ug/Kg	10/17/25 17:10	PB170144
91-57-6	2-Methylnaphthalene	2500		1	46.2	310	ug/Kg	10/17/25 17:10	PB170144
77-47-4	Hexachlorocyclopentadiene	7700	E	1	210	600	ug/Kg	10/17/25 17:10	PB170144
88-06-2	2,4,6-Trichlorophenol	2900		1	35.7	310	ug/Kg	10/17/25 17:10	PB170144
95-95-4	2,4,5-Trichlorophenol	2900		1	52.5	310	ug/Kg	10/17/25 17:10	PB170144
92-52-4	1,1-Biphenyl	3100		1	39.3	310	ug/Kg	10/17/25 17:10	PB170144
91-58-7	2-Chloronaphthalene	2800		1	40.6	310	ug/Kg	10/17/25 17:10	PB170144
88-74-4	2-Nitroaniline	2700		1	86.8	310	ug/Kg	10/17/25 17:10	PB170144
131-11-3	Dimethylphthalate	2600		1	48.9	310	ug/Kg	10/17/25 17:10	PB170144
208-96-8	Acenaphthylene	3200		1	52.1	310	ug/Kg	10/17/25 17:10	PB170144
606-20-2	2,6-Dinitrotoluene	2800		1	60.6	310	ug/Kg	10/17/25 17:10	PB170144
99-09-2	3-Nitroaniline	1900		1	83.0	310	ug/Kg	10/17/25 17:10	PB170144
83-32-9	Acenaphthene	2700		1	38.4	310	ug/Kg	10/17/25 17:10	PB170144
51-28-5	2,4-Dinitrophenol	4900	E	1	410	600	ug/Kg	10/17/25 17:10	PB170144
100-02-7	4-Nitrophenol	5700	E	1	190	600	ug/Kg	10/17/25 17:10	PB170144
132-64-9	Dibenzofuran	2700		1	40.9	310	ug/Kg	10/17/25 17:10	PB170144
121-14-2	2,4-Dinitrotoluene	2800		1	90.4	310	ug/Kg	10/17/25 17:10	PB170144
84-66-2	Diethylphthalate	2600		1	51.0	310	ug/Kg	10/17/25 17:10	PB170144
7005-72-3	4-Chlorophenyl-phenylether	2700		1	48.2	310	ug/Kg	10/17/25 17:10	PB170144
86-73-7	Fluorene	2800		1	45.6	310	ug/Kg	10/17/25 17:10	PB170144
100-01-6	4-Nitroaniline	2800		1	120	310	ug/Kg	10/17/25 17:10	PB170144
534-52-1	4,6-Dinitro-2-methylphenol	2900		1	190	600	ug/Kg	10/17/25 17:10	PB170144

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Report of Analysis

Client:	AECOM	Date Collected:	10/15/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	COMP01-20251015MS	SDG No.:	Q3363
Lab Sample ID:	Q3363-05MS	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	55.4
Sample Wt/Vol:	30.02 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	2900		1	59.3	310	ug/Kg	10/17/25 17:10	PB170144
101-55-3	4-Bromophenyl-phenylether	2900		1	50.1	310	ug/Kg	10/17/25 17:10	PB170144
118-74-1	Hexachlorobenzene	2900		1	45.6	310	ug/Kg	10/17/25 17:10	PB170144
1912-24-9	Atrazine	3000		1	61.3	310	ug/Kg	10/17/25 17:10	PB170144
87-86-5	Pentachlorophenol	6300	E	1	92.5	600	ug/Kg	10/17/25 17:10	PB170144
85-01-8	Phenanthrene	2900		1	37.7	310	ug/Kg	10/17/25 17:10	PB170144
120-12-7	Anthracene	2900		1	60.1	310	ug/Kg	10/17/25 17:10	PB170144
86-74-8	Carbazole	3000		1	56.3	310	ug/Kg	10/17/25 17:10	PB170144
84-74-2	Di-n-butylphthalate	2900		1	86.4	310	ug/Kg	10/17/25 17:10	PB170144
206-44-0	Fluoranthene	3100		1	54.1	310	ug/Kg	10/17/25 17:10	PB170144
129-00-0	Pyrene	2700		1	64.9	310	ug/Kg	10/17/25 17:10	PB170144
85-68-7	Butylbenzylphthalate	2800		1	130	310	ug/Kg	10/17/25 17:10	PB170144
91-94-1	3,3-Dichlorobenzidine	1400		1	66.2	600	ug/Kg	10/17/25 17:10	PB170144
56-55-3	Benzo(a)anthracene	2900		1	41.5	310	ug/Kg	10/17/25 17:10	PB170144
218-01-9	Chrysene	2900		1	35.9	310	ug/Kg	10/17/25 17:10	PB170144
117-81-7	Bis(2-ethylhexyl)phthalate	2900		1	110	310	ug/Kg	10/17/25 17:10	PB170144
117-84-0	Di-n-octyl phthalate	2900		1	160	600	ug/Kg	10/17/25 17:10	PB170144
205-99-2	Benzo(b)fluoranthene	3000		1	34.3	310	ug/Kg	10/17/25 17:10	PB170144
207-08-9	Benzo(k)fluoranthene	2800		1	40.4	310	ug/Kg	10/17/25 17:10	PB170144
50-32-8	Benzo(a)pyrene	3100		1	53.2	310	ug/Kg	10/17/25 17:10	PB170144
193-39-5	Indeno(1,2,3-cd)pyrene	3000		1	52.5	310	ug/Kg	10/17/25 17:10	PB170144
53-70-3	Dibenzo(a,h)anthracene	2900		1	49.4	310	ug/Kg	10/17/25 17:10	PB170144
191-24-2	Benzo(g,h,i)perylene	3100		1	46.4	310	ug/Kg	10/17/25 17:10	PB170144
95-94-3	1,2,4,5-Tetrachlorobenzene	3200		1	46.2	310	ug/Kg	10/17/25 17:10	PB170144
123-91-1	1,4-Dioxane	2100		1	81.5	310	ug/Kg	10/17/25 17:10	PB170144
58-90-2	2,3,4,6-Tetrachlorophenol	2900		1	49.4	310	ug/Kg	10/17/25 17:10	PB170144
SURROGATES									
367-12-4	2-Fluorophenol	80.7			18 - 112	54%	SPK: 150		
13127-88-3	Phenol-d6	76.7			15 - 107	51%	SPK: 150		
4165-60-0	Nitrobenzene-d5	50.5			18 - 107	50%	SPK: 100		
321-60-8	2-Fluorobiphenyl	42.2			20 - 109	42%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	80.7			10 - 116	54%	SPK: 150		
1718-51-0	Terphenyl-d14	42.8			10 - 105	43%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	15000							
1146-65-2	Naphthalene-d8	59800							
15067-26-2	Acenaphthene-d10	44300							
1517-22-2	Phenanthrene-d10	105000							
1719-03-5	Chrysene-d12	120000							
1520-96-3	Perylene-d12	135000							

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Report of Analysis

Client:	AECOM	Date Collected:	10/15/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	COMP01-20251015MS	SDG No.:	Q3363
Lab Sample ID:	Q3363-05MS	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	55.4
Sample Wt/Vol:	30.02 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM	Date Collected:	10/15/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	COMP01-20251015MSD	SDG No.:	Q3363
Lab Sample ID:	Q3363-05MSD	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	55.4
Sample Wt/Vol:	30.04 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	1600		1	280	590	ug/Kg	10/17/25 17:51	PB170144
108-95-2	Phenol	3400		1	39.8	310	ug/Kg	10/17/25 17:51	PB170144
111-44-4	bis(2-Chloroethyl)ether	3200		1	43.8	310	ug/Kg	10/17/25 17:51	PB170144
95-57-8	2-Chlorophenol	3500		1	44.0	310	ug/Kg	10/17/25 17:51	PB170144
95-48-7	2-Methylphenol	3500		1	53.9	310	ug/Kg	10/17/25 17:51	PB170144
108-60-1	2,2-oxybis(1-Chloropropane)	3000		1	67.6	310	ug/Kg	10/17/25 17:51	PB170144
98-86-2	Acetophenone	3800		1	53.2	310	ug/Kg	10/17/25 17:51	PB170144
65794-96-9	3+4-Methylphenols	3400		1	74.1	590	ug/Kg	10/17/25 17:51	PB170144
621-64-7	n-Nitroso-di-n-propylamine	3200		1	85.4	140	ug/Kg	10/17/25 17:51	PB170144
67-72-1	Hexachloroethane	3400		1	31.7	310	ug/Kg	10/17/25 17:51	PB170144
98-95-3	Nitrobenzene	3400		1	33.0	310	ug/Kg	10/17/25 17:51	PB170144
78-59-1	Isophorone	3200		1	59.1	310	ug/Kg	10/17/25 17:51	PB170144
88-75-5	2-Nitrophenol	3400		1	100	310	ug/Kg	10/17/25 17:51	PB170144
105-67-9	2,4-Dimethylphenol	3900		1	120	310	ug/Kg	10/17/25 17:51	PB170144
111-91-1	bis(2-Chloroethoxy)methane	3300		1	55.5	310	ug/Kg	10/17/25 17:51	PB170144
120-83-2	2,4-Dichlorophenol	3600		1	51.0	310	ug/Kg	10/17/25 17:51	PB170144
91-20-3	Naphthalene	3500		1	40.9	310	ug/Kg	10/17/25 17:51	PB170144
106-47-8	4-Chloroaniline	1300		1	63.8	310	ug/Kg	10/17/25 17:51	PB170144
87-68-3	Hexachlorobutadiene	3600		1	45.6	310	ug/Kg	10/17/25 17:51	PB170144
105-60-2	Caprolactam	3200		1	93.9	590	ug/Kg	10/17/25 17:51	PB170144
59-50-7	4-Chloro-3-methylphenol	3500		1	51.7	310	ug/Kg	10/17/25 17:51	PB170144
91-57-6	2-Methylnaphthalene	3000		1	46.1	310	ug/Kg	10/17/25 17:51	PB170144
77-47-4	Hexachlorocyclopentadiene	8800	E	1	210	590	ug/Kg	10/17/25 17:51	PB170144
88-06-2	2,4,6-Trichlorophenol	3500		1	35.7	310	ug/Kg	10/17/25 17:51	PB170144
95-95-4	2,4,5-Trichlorophenol	3400		1	52.5	310	ug/Kg	10/17/25 17:51	PB170144
92-52-4	1,1-Biphenyl	3600		1	39.3	310	ug/Kg	10/17/25 17:51	PB170144
91-58-7	2-Chloronaphthalene	3300		1	40.6	310	ug/Kg	10/17/25 17:51	PB170144
88-74-4	2-Nitroaniline	3300		1	86.7	310	ug/Kg	10/17/25 17:51	PB170144
131-11-3	Dimethylphthalate	3100		1	48.9	310	ug/Kg	10/17/25 17:51	PB170144
208-96-8	Acenaphthylene	3800		1	52.1	310	ug/Kg	10/17/25 17:51	PB170144
606-20-2	2,6-Dinitrotoluene	3300		1	60.6	310	ug/Kg	10/17/25 17:51	PB170144
99-09-2	3-Nitroaniline	2000		1	82.9	310	ug/Kg	10/17/25 17:51	PB170144
83-32-9	Acenaphthene	3200		1	38.4	310	ug/Kg	10/17/25 17:51	PB170144
51-28-5	2,4-Dinitrophenol	5700	E	1	410	590	ug/Kg	10/17/25 17:51	PB170144
100-02-7	4-Nitrophenol	6700	E	1	190	590	ug/Kg	10/17/25 17:51	PB170144
132-64-9	Dibenzofuran	3300		1	40.9	310	ug/Kg	10/17/25 17:51	PB170144
121-14-2	2,4-Dinitrotoluene	3300		1	90.3	310	ug/Kg	10/17/25 17:51	PB170144
84-66-2	Diethylphthalate	3100		1	51.0	310	ug/Kg	10/17/25 17:51	PB170144
7005-72-3	4-Chlorophenyl-phenylether	3200		1	48.1	310	ug/Kg	10/17/25 17:51	PB170144
86-73-7	Fluorene	3400		1	45.6	310	ug/Kg	10/17/25 17:51	PB170144
100-01-6	4-Nitroaniline	3300		1	120	310	ug/Kg	10/17/25 17:51	PB170144
534-52-1	4,6-Dinitro-2-methylphenol	3400		1	190	590	ug/Kg	10/17/25 17:51	PB170144

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Report of Analysis

Client:	AECOM	Date Collected:	10/15/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	COMP01-20251015MSD	SDG No.:	Q3363
Lab Sample ID:	Q3363-05MSD	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	55.4
Sample Wt/Vol:	30.04 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	3600		1	59.3	310	ug/Kg	10/17/25 17:51	PB170144
101-55-3	4-Bromophenyl-phenylether	3500		1	50.1	310	ug/Kg	10/17/25 17:51	PB170144
118-74-1	Hexachlorobenzene	3500		1	45.6	310	ug/Kg	10/17/25 17:51	PB170144
1912-24-9	Atrazine	3700		1	61.3	310	ug/Kg	10/17/25 17:51	PB170144
87-86-5	Pentachlorophenol	7600	E	1	92.5	590	ug/Kg	10/17/25 17:51	PB170144
85-01-8	Phenanthrene	3400		1	37.7	310	ug/Kg	10/17/25 17:51	PB170144
120-12-7	Anthracene	3500		1	60.0	310	ug/Kg	10/17/25 17:51	PB170144
86-74-8	Carbazole	3600		1	56.2	310	ug/Kg	10/17/25 17:51	PB170144
84-74-2	Di-n-butylphthalate	3500		1	86.3	310	ug/Kg	10/17/25 17:51	PB170144
206-44-0	Fluoranthene	3700		1	54.1	310	ug/Kg	10/17/25 17:51	PB170144
129-00-0	Pyrene	3400		1	64.9	310	ug/Kg	10/17/25 17:51	PB170144
85-68-7	Butylbenzylphthalate	3400		1	130	310	ug/Kg	10/17/25 17:51	PB170144
91-94-1	3,3-Dichlorobenzidine	1600		1	66.2	590	ug/Kg	10/17/25 17:51	PB170144
56-55-3	Benzo(a)anthracene	3700		1	41.5	310	ug/Kg	10/17/25 17:51	PB170144
218-01-9	Chrysene	3600		1	35.9	310	ug/Kg	10/17/25 17:51	PB170144
117-81-7	Bis(2-ethylhexyl)phthalate	3600		1	110	310	ug/Kg	10/17/25 17:51	PB170144
117-84-0	Di-n-octyl phthalate	3500		1	160	590	ug/Kg	10/17/25 17:51	PB170144
205-99-2	Benzo(b)fluoranthene	3500		1	34.3	310	ug/Kg	10/17/25 17:51	PB170144
207-08-9	Benzo(k)fluoranthene	3500		1	40.4	310	ug/Kg	10/17/25 17:51	PB170144
50-32-8	Benzo(a)pyrene	3800		1	53.2	310	ug/Kg	10/17/25 17:51	PB170144
193-39-5	Indeno(1,2,3-cd)pyrene	3500		1	52.5	310	ug/Kg	10/17/25 17:51	PB170144
53-70-3	Dibenzo(a,h)anthracene	3600		1	49.4	310	ug/Kg	10/17/25 17:51	PB170144
191-24-2	Benzo(g,h,i)perylene	3800		1	46.3	310	ug/Kg	10/17/25 17:51	PB170144
95-94-3	1,2,4,5-Tetrachlorobenzene	3700		1	46.1	310	ug/Kg	10/17/25 17:51	PB170144
123-91-1	1,4-Dioxane	2700		1	81.5	310	ug/Kg	10/17/25 17:51	PB170144
58-90-2	2,3,4,6-Tetrachlorophenol	3500		1	49.4	310	ug/Kg	10/17/25 17:51	PB170144
SURROGATES									
367-12-4	2-Fluorophenol	100			18 - 112	67%	SPK: 150		
13127-88-3	Phenol-d6	95.3			15 - 107	64%	SPK: 150		
4165-60-0	Nitrobenzene-d5	59.1			18 - 107	59%	SPK: 100		
321-60-8	2-Fluorobiphenyl	48.8			20 - 109	49%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	93.5			10 - 116	62%	SPK: 150		
1718-51-0	Terphenyl-d14	52.2			10 - 105	52%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	13000							
1146-65-2	Naphthalene-d8	53800							
15067-26-2	Acenaphthene-d10	42300							
1517-22-2	Phenanthrene-d10	98600							
1719-03-5	Chrysene-d12	108000							
1520-96-3	Perylene-d12	125000							

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Report of Analysis

Client:	AECOM	Date Collected:	10/15/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	COMP01-20251015MSD	SDG No.:	Q3363
Lab Sample ID:	Q3363-05MSD	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	55.4
Sample Wt/Vol:	30.04 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

CALIBRATION SUMMARY

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF100625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Oct 06 15:29:47 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BF143875.D 5 =BF143876.D 10 =BF143877.D 20 =BF143878.D 40 =BF143879.D 50 =BF143880.D 60 =BF143881.D 80 =BF1438
82.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.614	0.595	0.597	0.609	0.544	0.576	0.544	0.583	4.96
3)		Pyridine		1.691	1.672	1.749	1.772	1.668	1.680	1.644	1.697	2.74
4)		n-Nitrosodimet...			0.825	0.895	0.909	0.917	0.909	0.900	0.893	3.81
5)	S	2-Fluorophenol		1.378	1.349	1.352	1.307	1.173	1.177	1.079	1.259	9.15
6)		Aniline		2.400	2.327	2.361	2.343	2.185	2.134	1.997	2.250	6.58
7)	S	Phenol-d6		1.626	1.631	1.601	1.542	1.404	1.387	1.317	1.501	8.62
8)		2-Chlorophenol		1.324	1.229	1.274	1.294	1.201	1.182	1.113	1.231	5.90
9)		Benzaldehyde			1.115	1.026	1.329	1.198	1.390	0.890	1.158	16.18
10)	C	Phenol		1.934	1.814	1.889	1.841	1.756	1.739	1.589	1.795	6.33
11)		bis(2-Chloroet...		1.487	1.457	1.467	1.446	1.308	1.302	1.238	1.386	7.25
12)		1,3-Dichlorobe...		1.742	1.591	1.589	1.516	1.336	1.327	1.215	1.474	12.64
13)	C	1,4-Dichlorobe...		1.653	1.606	1.567	1.499	1.326	1.340	1.185	1.454	11.88
14)		1,2-Dichlorobe...		1.581	1.507	1.501	1.434	1.283	1.288	1.153	1.392	11.06
15)		Benzyl Alcohol			1.118	1.138	1.173	1.134	1.104	1.082	1.125	2.79
16)		2,2'-oxybis(1-...		3.520	3.385	3.273	3.239	3.008	2.945	2.720	3.156	8.79
17)		2-Methylphenol		1.064	1.057	1.049	1.054	0.985	0.986	0.927	1.017	5.10
18)		Hexachloroethane		0.533	0.508	0.515	0.501	0.456	0.464	0.417	0.485	8.39
19)	P	n-Nitroso-di-n...	1.052	1.135	1.134	1.054	1.026	0.970	0.938	0.912	1.028	8.13
20)		3+4-Methylphenols			1.401	1.342	1.266	1.067	1.068	0.933	1.179	15.58
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.515	0.461	0.462	0.433	0.374	0.375	0.340	0.423	14.67
23)	S	Nitrobenzene-d5		0.325	0.333	0.347	0.345	0.323	0.325	0.307	0.329	4.19
24)		Nitrobenzene		0.369	0.349	0.389	0.391	0.352	0.365	0.342	0.366	5.26
25)		Isophorone		0.754	0.708	0.708	0.705	0.665	0.663	0.656	0.694	5.04
26)	C	2-Nitrophenol		0.121	0.133	0.163	0.174	0.167	0.173	0.166	0.157	13.39
27)		2,4-Dimethylph...		0.287	0.288	0.292	0.295	0.271	0.278	0.264	0.282	4.08
28)		bis(2-Chloroet...		0.510	0.474	0.463	0.444	0.398	0.401	0.380	0.438	10.79
29)	C	2,4-Dichloroph...		0.317	0.292	0.313	0.307	0.280	0.282	0.265	0.294	6.54
30)		1,2,4-Trichlor...		0.331	0.299	0.307	0.298	0.266	0.272	0.249	0.289	9.57
31)		Naphthalene		1.103	0.996	0.972	0.932	0.817	0.817	0.732	0.910	14.06
32)		Benzoic acid			0.131	0.173	0.200	0.216	0.222	0.228	0.195	18.95
33)		4-Chloroaniline		0.368	0.370	0.357	0.355	0.319	0.321	0.298	0.341	8.20
34)	C	Hexachlorobuta...		0.231	0.214	0.210	0.207	0.183	0.187	0.173	0.201	10.11
35)		Caprolactam			0.092	0.091	0.095	0.094	0.093	0.094	0.093	1.59
36)	C	4-Chloro-3-met...		0.301	0.302	0.289	0.287	0.269	0.270	0.256	0.282	6.27
37)		2-Methylnaphth...		0.742	0.683	0.654	0.616	0.527	0.533	0.487	0.606	15.46
38)		1-Methylnaphth...		0.719	0.656	0.629	0.605	0.517	0.523	0.465	0.588	15.23

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF100625.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.610	0.592	0.595	0.590	0.500	0.519	0.464	0.553	10.38
41)	P	Hexachlorocycl...		0.182	0.216	0.257	0.246	0.240	0.235	0.229	11.77
42)	S	2,4,6-Tribromo...	0.194	0.192	0.210	0.207	0.198	0.200	0.193	0.199	3.51
43)	C	2,4,6-Trichlor...	0.408	0.394	0.426	0.445	0.383	0.395	0.376	0.404	6.07
44)		2,4,5-Trichlor...	0.443	0.444	0.460	0.456	0.401	0.403	0.380	0.427	7.34
45)	S	2-Fluorobiphenyl	1.568	1.424	1.335	1.224	0.984	1.028		1.260	18.04
46)		1,1'-Biphenyl	1.617	1.476	1.448	1.374	1.134	1.171	1.050	1.324	15.77
47)		2-Chloronaphth...	1.294	1.196	1.197	1.137	0.988	1.003	0.913	1.104	12.50
48)		2-Nitroaniline	0.293	0.322	0.371	0.392	0.354	0.365	0.348	0.349	9.43
49)		Acenaphthylene	1.797	1.701	1.648	1.623	1.386	1.426	1.284	1.552	12.11
50)		Dimethylphthalate	1.442	1.351	1.334	1.291	1.166	1.202	1.105	1.270	9.29
51)		2,6-Dinitrotol...	0.201	0.204	0.245	0.262	0.250	0.250	0.237	0.236	10.13
52)	C	Acenaphthene	1.177	1.115	1.096	1.052	0.897	0.934	0.847	1.017	12.21
53)		3-Nitroaniline	0.256	0.270	0.306	0.306	0.296	0.298	0.286	0.288	6.59
54)	P	2,4-Dinitrophenol		0.061	0.094	0.120	0.143	0.144	0.146	0.118	29.25
55)		Dibenzofuran	1.680	1.608	1.572	1.494	1.253	1.295	1.149	1.436	14.13
56)	P	4-Nitrophenol		0.173	0.215	0.234	0.230	0.228	0.230	0.218	10.55
57)		2,4-Dinitrotol...	0.252	0.284	0.341	0.365	0.335	0.346	0.320	0.320	12.30
58)		Fluorene	1.393	1.266	1.173	1.097	0.897	0.922	0.835	1.083	19.21
59)		2,3,4,6-Tetrac...	0.276	0.303	0.315	0.325	0.300	0.309	0.288	0.302	5.49
60)		Diethylphthalate	1.319	1.281	1.273	1.222	1.070	1.105	0.989	1.180	10.62
61)		4-Chlorophenyl...	0.689	0.662	0.626	0.596	0.485	0.505	0.446	0.573	16.43
62)		4-Nitroaniline	0.257	0.259	0.285	0.292	0.287	0.288	0.274	0.277	5.25
63)		Azobenzene	1.387	1.331	1.308	1.280	1.114	1.156	1.055	1.233	10.10
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.065	0.092	0.111	0.112	0.114	0.110	0.101	19.26
66)	c	n-Nitrosodiphe...	0.712	0.683	0.675	0.656	0.560	0.584	0.527	0.628	11.22
67)		4-Bromophenyl-...	0.247	0.234	0.231	0.231	0.201	0.207	0.196	0.221	8.74
68)		Hexachlorobenzene	0.277	0.268	0.263	0.267	0.242	0.245	0.231	0.256	6.59
69)		Atrazine	0.197	0.206	0.213	0.195	0.184	0.177	0.161	0.190	9.44
70)	C	Pentachlorophenol		0.117	0.152	0.157	0.154	0.154	0.147	0.147	10.10
71)		Phenanthrene	1.164	1.092	1.066	0.976	0.842	0.872	0.775	0.970	14.94
72)		Anthracene	1.161	1.097	1.057	1.025	0.854	0.881	0.781	0.980	14.43
73)		Carbazole	1.015	0.962	0.939	0.884	0.766	0.804	0.703	0.868	13.10
74)		Di-n-butylphth...	1.089	1.094	1.108	1.053	0.910	0.954	0.830	1.005	10.76
75)	C	Fluoranthene	1.156	1.153	1.094	1.032	0.876	0.910	0.789	1.002	14.43
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.701	0.719	0.761	0.651	0.640		0.694	7.16
78)		Pyrene	1.838	1.663	1.769	1.863	1.541	1.578	1.420	1.667	9.87
79)	S	Terphenyl-d14	1.301	1.209	1.271	1.279	1.066	1.080	0.984	1.170	10.70
80)		Butylbenzylpht...	0.466	0.503	0.579	0.620	0.545	0.553	0.524	0.542	9.31
81)		Benzo(a)anthra...	1.342	1.347	1.354	1.398	1.232	1.291	1.198	1.309	5.49
82)		3,3'-Dichlorob...		0.364	0.403	0.440	0.401	0.404	0.381	0.399	6.41
83)		Chrysene	1.373	1.188	1.267	1.294	1.116	1.126	1.115	1.211	8.41
84)		Bis(2-ethylhex...	0.591	0.619	0.687	0.739	0.642	0.672	0.619	0.653	7.70
85)	c	Di-n-octyl pht...		0.837	1.009	1.194	1.108	1.151	1.133	1.072	12.19

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF100625.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.114	1.104	1.222	1.393	1.235	1.263	1.248	1.225	7.97
88)		Benzo(b)fluora...	1.207	1.138	1.131	1.269	1.095	1.202	1.000	1.149	7.63
89)		Benzo(k)fluora...	1.138	1.173	1.228	1.108	0.923	0.921	0.951	1.063	12.11
90)	C	Benzo(a)pyrene	1.000	1.006	1.037	1.102	0.936	0.970	0.923	0.996	6.17
91)		Dibenzo(a,h)an...	0.888	0.915	1.015	1.128	0.975	1.007	0.972	0.986	7.89
92)		Benzo(g,h,i)pe...	0.889	0.888	0.983	1.117	0.991	1.018	1.014	0.986	8.08

(#) = Out of Range

Response Factor Report GC/MS Ins

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG100225.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Oct 02 16:40:42 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BG064473.D 5 =BG064474.D 10 =BG064481.D 20 =BG064476.D 40 =BG064477.D 50 =BG064478.D 60 =BG064479.D 80 =BG0644
80.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.530	0.412	0.447	0.438	0.398	0.386	0.381	0.427	12.10
3)		Pyridine		1.225	1.151	1.147	1.236	1.102	1.095	1.086	1.149	5.33
4)		n-Nitrosodimet...			0.854	0.790	0.863	0.833	0.843	0.814	0.833	3.24
5)	S	2-Fluorophenol		1.066	1.018	1.053	1.195	1.071	1.108	1.053	1.081	5.26
6)		Aniline		1.913	1.738	1.827	2.020	1.772	1.823	1.729	1.832	5.68
7)	S	Phenol-d6		1.395	1.373	1.446	1.631	1.434	1.496	1.391	1.452	6.12
8)		2-Chlorophenol		1.387	1.264	1.312	1.455	1.264	1.336	1.271	1.327	5.45
9)		Benzaldehyde			1.437	1.039	1.527	1.146	1.548	1.037	1.289	18.76
10)	C	Phenol		1.518	1.397	1.530	1.683	1.517	1.583	1.496	1.532	5.68
11)		bis(2-Chloroet...		1.117	0.953	1.002	1.134	1.000	1.064	0.992	1.038	6.61
12)		1,3-Dichlorobe...		1.558	1.459	1.396	1.582	1.385	1.418	1.363	1.452	5.97
13)	C	1,4-Dichlorobe...		1.506	1.435	1.452	1.581	1.421	1.421	1.383	1.457	4.57
14)		1,2-Dichlorobe...		1.583	1.389	1.434	1.533	1.377	1.399	1.335	1.436	6.24
15)		Benzyl Alcohol			1.224	1.300	1.447	1.342	1.399	1.312	1.337	5.87
16)		2,2'-oxybis(1-...		1.720	1.610	1.657	1.804	1.650	1.708	1.558	1.672	4.80
17)		2-Methylphenol		1.105	1.063	1.087	1.215	1.076	1.143	1.077	1.109	4.81
18)		Hexachloroethane		0.586	0.630	0.534	0.604	0.562	0.566	0.544	0.575	5.87
19)	P	n-Nitroso-di-n...	0.813	1.008	0.913	1.006	1.096	0.959	1.048	0.926	0.971	9.10
20)		3+4-Methylphenols			1.472	1.510	1.700	1.492	1.622	1.494	1.548	5.91
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.476	0.450	0.477	0.516	0.491	0.495	0.486	0.484	4.21
23)	S	Nitrobenzene-d5		0.360	0.352	0.378	0.396	0.369	0.381	0.369	0.372	3.84
24)		Nitrobenzene		0.403	0.348	0.352	0.395	0.364	0.377	0.358	0.371	5.73
25)		Isophorone		0.672	0.654	0.674	0.721	0.660	0.686	0.650	0.674	3.59
26)	C	2-Nitrophenol		0.197	0.169	0.181	0.192	0.185	0.188	0.181	0.185	4.93
27)		2,4-Dimethylph...		0.277	0.257	0.279	0.299	0.285	0.298	0.281	0.282	4.97
28)		bis(2-Chloroet...		0.320	0.320	0.361	0.375	0.336	0.352	0.341	0.343	5.92
29)	C	2,4-Dichloroph...		0.323	0.305	0.321	0.343	0.322	0.336	0.332	0.326	3.78
30)		1,2,4-Trichlor...		0.383	0.333	0.360	0.377	0.339	0.349	0.347	0.356	5.27
31)		Naphthalene		1.062	0.980	1.013	1.107	0.995	1.041	1.011	1.030	4.26
32)		Benzoic acid			0.149	0.198	0.230	0.240	0.239	0.243	0.216	17.02
33)		4-Chloroaniline		0.392	0.398	0.373	0.417	0.388	0.406	0.392	0.395	3.53
34)	C	Hexachlorobuta...		0.331	0.289	0.308	0.316	0.296	0.300	0.291	0.304	4.94
35)		Caprolactam			0.108	0.120	0.115	0.111	0.110	0.107	0.112	4.36
36)	C	4-Chloro-3-met...		0.395	0.381	0.392	0.418	0.390	0.405	0.395	0.397	3.01
37)		2-Methylnaphth...		0.783	0.771	0.790	0.843	0.778	0.799	0.770	0.791	3.18
38)		1-Methylnaphth...		0.837	0.782	0.782	0.825	0.750	0.784	0.758	0.788	4.08

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG100225.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.622	0.604	0.622	0.708	0.640	0.678	0.646	0.646	5.60
41)	P	Hexachlorocycl...		0.279	0.296	0.363	0.356	0.378	0.356	0.338	11.95
42)	S	2,4,6-Tribromo...	0.364	0.352	0.367	0.381	0.364	0.361	0.349	0.363	2.89
43)	C	2,4,6-Trichlor...	0.391	0.390	0.396	0.445	0.416	0.436	0.414	0.413	5.30
44)		2,4,5-Trichlor...	0.451	0.452	0.430	0.486	0.465	0.473	0.470	0.461	3.93
45)	S	2-Fluorobiphenyl	1.355	1.338	1.346	1.434	1.325	1.389	1.310	1.357	3.11
46)		1,1'-Biphenyl	1.439	1.388	1.417	1.521	1.434	1.484	1.387	1.438	3.42
47)		2-Chloronaphth...	1.006	1.104	1.046	1.153	1.056	1.106	1.046	1.074	4.61
48)		2-Nitroaniline	0.301	0.362	0.371	0.397	0.386	0.385	0.365	0.367	8.60
49)		Acenaphthylene	1.591	1.534	1.573	1.704	1.574	1.638	1.546	1.594	3.68
50)		Dimethylphthalate	1.564	1.584	1.582	1.624	1.531	1.586	1.493	1.566	2.72
51)		2,6-Dinitrotol...	0.292	0.326	0.335	0.337	0.333	0.345	0.316	0.326	5.43
52)	C	Acenaphthene	1.108	1.099	1.086	1.159	1.106	1.138	1.058	1.108	2.98
53)		3-Nitroaniline	0.279	0.294	0.300	0.319	0.315	0.303	0.296	0.301	4.50
54)	P	2,4-Dinitrophenol		0.265	0.270	0.207	0.228	0.229	0.220	0.237	10.76
55)		Dibenzofuran	1.837	1.810	1.800	1.909	1.821	1.872	1.753	1.829	2.77
56)	P	4-Nitrophenol		0.192	0.227	0.260	0.256	0.253	0.232	0.237	10.85
57)		2,4-Dinitrotol...	0.481	0.499	0.488	0.527	0.513	0.506	0.477	0.499	3.60
58)		Fluorene	1.518	1.511	1.535	1.601	1.488	1.532	1.458	1.520	2.91
59)		2,3,4,6-Tetrac...	0.438	0.447	0.475	0.505	0.475	0.494	0.457	0.470	5.16
60)		Diethylphthalate	1.747	1.692	1.679	1.730	1.675	1.663	1.578	1.680	3.25
61)		4-Chlorophenyl...	0.866	0.809	0.839	0.868	0.817	0.819	0.794	0.830	3.42
62)		4-Nitroaniline	0.229	0.296	0.331	0.334	0.345	0.340	0.320	0.314	12.96
63)		Azobenzene	1.339	1.299	1.325	1.346	1.295	1.289	1.216	1.301	3.37
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.125	0.139	0.145	0.138	0.145	0.144	0.139	5.58
66)	c	n-Nitrosodiphe...	0.540	0.519	0.534	0.569	0.508	0.541	0.529	0.534	3.62
67)		4-Bromophenyl-...	0.235	0.229	0.227	0.253	0.224	0.237	0.241	0.235	4.21
68)		Hexachlorobenzene	0.256	0.261	0.272	0.288	0.260	0.280	0.270	0.269	4.36
69)		Atrazine	0.237	0.240	0.247	0.250	0.232	0.239	0.219	0.238	4.26
70)	C	Pentachlorophenol		0.118	0.146	0.169	0.166	0.170	0.175	0.157	13.66
71)		Phenanthrene	1.072	1.022	1.055	1.111	1.002	1.050	1.010	1.046	3.65
72)		Anthracene	1.045	1.028	1.044	1.130	1.001	1.068	1.029	1.049	3.93
73)		Carbazole	0.883	0.895	0.904	0.987	0.877	0.921	0.880	0.907	4.24
74)		Di-n-butylphth...	1.096	1.079	1.105	1.189	1.076	1.131	1.076	1.107	3.71
75)	C	Fluoranthene	1.269	1.226	1.272	1.330	1.192	1.253	1.204	1.250	3.77
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.393	0.424	0.649	0.540	0.621	0.359	0.498	24.67
78)		Pyrene	1.295	1.329	1.316	1.392	1.242	1.281	1.230	1.298	4.24
79)	S	Terphenyl-d14	1.067	1.061	1.069	1.123	1.030	1.044	1.003	1.057	3.55
80)		Butylbenzylpht...	0.437	0.438	0.464	0.497	0.447	0.479	0.458	0.460	4.78
81)		Benzo(a)anthra...	1.280	1.239	1.285	1.353	1.238	1.291	1.253	1.277	3.15
82)		3,3'-Dichlorob...		0.418	0.431	0.458	0.423	0.443	0.420	0.432	3.58
83)		Chrysene	1.226	1.200	1.195	1.297	1.173	1.210	1.178	1.211	3.48
84)		Bis(2-ethylhex...	0.605	0.637	0.640	0.692	0.641	0.670	0.658	0.649	4.26
85)	c	Di-n-octyl pht...		1.055	1.050	1.153	1.073	1.125	1.089	1.091	3.74

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG100225.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.368	1.320	1.378	1.493	1.387	1.431	1.368	1.392	3.98
88)		Benzo(b)fluora...	1.077	1.084	1.171	1.212	1.142	1.169	1.109	1.138	4.40
89)		Benzo(k)fluora...	1.139	1.082	1.145	1.233	1.123	1.156	1.142	1.146	3.97
90)	C	Benzo(a)pyrene	1.017	0.999	1.059	1.122	1.031	1.075	1.037	1.049	3.91
91)		Dibenzo(a,h)an...	1.047	1.053	1.121	1.190	1.115	1.151	1.116	1.113	4.55
92)		Benzo(g,h,i)pe...	1.059	1.053	1.088	1.153	1.069	1.104	1.048	1.082	3.41

(#) = Out of Range

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG No.: Q3363

Instrument ID: BNA_F Calibration Date/Time: 10/17/2025 14:43

Lab File ID: BF143984.D Init. Calib. Date(s): 10/06/2025 10/06/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:59 14:22

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.259	1.280		1.7	
Benzaldehyde	1.158	1.188		2.6	
Phenol-d6	1.501	1.459		-2.8	
Phenol	1.795	1.831		2.0	20.0
bis(2-Chloroethyl)ether	1.386	1.382		-0.3	
2-Chlorophenol	1.231	1.249		1.5	
2-Methylphenol	1.017	0.961		-5.5	
2,2-oxybis(1-Chloropropane)	3.156	3.010		-4.6	
Acetophenone	0.423	0.381		-9.9	
3+4-Methylphenols	1.179	1.047		-11.2	
n-Nitroso-di-n-propylamine	1.028	0.825	0.050	-19.7	
Nitrobenzene-d5	0.329	0.339		3.0	
Hexachloroethane	0.485	0.497		2.5	
Nitrobenzene	0.366	0.379		3.6	
Isophorone	0.694	0.621		-10.5	
2-Nitrophenol	0.157	0.180		14.6	20.0
2,4-Dimethylphenol	0.282	0.269		-4.6	
bis(2-Chloroethoxy)methane	0.438	0.391		-10.7	
2,4-Dichlorophenol	0.294	0.278		-5.4	20.0
Naphthalene	0.910	0.854		-6.2	
4-Chloroaniline	0.341	0.302		-11.4	
Hexachlorobutadiene	0.201	0.204		1.5	20.0
Caprolactam	0.093	0.081		-12.9	
4-Chloro-3-methylphenol	0.282	0.249		-11.7	20.0
2-Methylnaphthalene	0.606	0.543		-10.4	
Hexachlorocyclopentadiene	0.229	0.200	0.050	-12.7	
2,4,6-Trichlorophenol	0.404	0.399		-1.2	20.0
2-Fluorobiphenyl	1.260	1.153		-8.5	
2,4,5-Trichlorophenol	0.427	0.438		2.6	
1,1-Biphenyl	1.324	1.266		-4.4	
2-Chloronaphthalene	1.104	1.099		-0.5	
2-Nitroaniline	0.349	0.371		6.3	
Dimethylphthalate	1.270	1.231		-3.1	
Acenaphthylene	1.552	1.478		-4.8	
2,6-Dinitrotoluene	0.236	0.269		14.0	
3-Nitroaniline	0.288	0.301		4.5	
Acenaphthene	1.017	0.979		-3.7	20.0
2,4-Dinitrophenol	0.118	0.125	0.050	5.9	
4-Nitrophenol	0.218	0.208	0.050	-4.6	

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Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG No.: Q3363

Instrument ID: BNA_F Calibration Date/Time: 10/17/2025 14:43

Lab File ID: BF143984.D Init. Calib. Date(s): 10/06/2025 10/06/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:59 14:22

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.436	1.377		-4.1	
2,4-Dinitrotoluene	0.320	0.353		10.3	
Diethylphthalate	1.180	1.122		-4.9	
4-Chlorophenyl-phenylether	0.573	0.557		-2.8	
Fluorene	1.083	1.025		-5.4	
4-Nitroaniline	0.277	0.281		1.4	
4,6-Dinitro-2-methylphenol	0.101	0.119		17.8	
n-Nitrosodiphenylamine	0.628	0.616		-1.9	20.0
2,4,6-Tribromophenol	0.199	0.203		2.0	
4-Bromophenyl-phenylether	0.221	0.223		0.9	
Hexachlorobenzene	0.256	0.259		1.2	
Atrazine	0.190	0.184		-3.2	
Pentachlorophenol	0.147	0.138		-6.1	20.0
Phenanthrene	0.970	0.937		-3.4	
Anthracene	0.980	0.945		-3.6	
Carbazole	0.868	0.826		-4.8	
Di-n-butylphthalate	1.005	1.007		0.2	
Fluoranthene	1.002	0.966		-3.6	20.0
Pyrene	1.667	1.585		-4.9	
Terphenyl-d14	1.170	1.142		-2.4	
Butylbenzylphthalate	0.542	0.583		7.6	
3,3-Dichlorobenzidine	0.399	0.420		5.3	
Benzo(a)anthracene	1.309	1.320		0.8	
Chrysene	1.211	1.224		1.1	
Bis(2-ethylhexyl)phthalate	0.653	0.757		15.9	
Di-n-octyl phthalate	1.072	1.316		22.8	20.0
Benzo(b)fluoranthene	1.149	1.127		-1.9	
Benzo(k)fluoranthene	1.063	1.054		-0.8	
Benzo(a)pyrene	0.996	1.008		1.2	20.0
Indeno(1,2,3-cd)pyrene	1.225	1.362		11.2	
Dibenzo(a,h)anthracene	0.986	1.080		9.5	
Benzo(g,h,i)perylene	0.986	1.082		9.7	
1,2,4,5-Tetrachlorobenzene	0.553	0.571		3.3	
1,4-Dioxane	0.583	0.584		0.2	20.0
2,3,4,6-Tetrachlorophenol	0.302	0.297		-1.7	

All other compounds must meet a minimum RRF of 0.010.

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Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG No.: Q3363

Instrument ID: BNA_G Calibration Date/Time: 10/17/2025 11:39

Lab File ID: BG064531.D Init. Calib. Date(s): 10/02/2025 10/02/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:01 15:49

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.081	1.113		3.0	
Benzaldehyde	1.290	1.304		1.1	
Phenol-d6	1.452	1.455		0.2	
Phenol	1.532	1.529		-0.2	20.0
bis(2-Chloroethyl)ether	1.038	0.997		-4.0	
2-Chlorophenol	1.327	1.283		-3.3	
2-Methylphenol	1.109	1.130		1.9	
2,2-oxybis(1-Chloropropane)	1.672	1.548		-7.4	
Acetophenone	0.484	0.540		11.6	
3+4-Methylphenols	1.548	1.606		3.7	
n-Nitroso-di-n-propylamine	0.971	0.972	0.050	0.1	
Nitrobenzene-d5	0.372	0.402		8.1	
Hexachloroethane	0.575	0.577		0.3	
Nitrobenzene	0.371	0.409		10.2	
Isophorone	0.674	0.713		5.8	
2-Nitrophenol	0.185	0.204		10.3	20.0
2,4-Dimethylphenol	0.282	0.317		12.4	
bis(2-Chloroethoxy)methane	0.343	0.372		8.5	
2,4-Dichlorophenol	0.326	0.361		10.7	20.0
Naphthalene	1.030	1.149		11.6	
4-Chloroaniline	0.395	0.421		6.6	
Hexachlorobutadiene	0.304	0.347		14.1	20.0
Caprolactam	0.112	0.111		-0.9	
4-Chloro-3-methylphenol	0.397	0.411		3.5	20.0
2-Methylnaphthalene	0.791	0.860		8.7	
Hexachlorocyclopentadiene	0.338	0.406	0.050	20.1	
2,4,6-Trichlorophenol	0.413	0.466		12.8	20.0
2-Fluorobiphenyl	1.357	1.481		9.1	
2,4,5-Trichlorophenol	0.461	0.502		8.9	
1,1-Biphenyl	1.438	1.539		7.0	
2-Chloronaphthalene	1.074	1.146		6.7	
2-Nitroaniline	0.367	0.392		6.8	
Dimethylphthalate	1.566	1.640		4.7	
Acenaphthylene	1.594	1.714		7.5	
2,6-Dinitrotoluene	0.326	0.349		7.1	
3-Nitroaniline	0.301	0.321		6.6	
Acenaphthene	1.108	1.183		6.8	20.0
2,4-Dinitrophenol	0.237	0.220	0.050	-7.2	
4-Nitrophenol	0.237	0.234	0.050	-1.3	

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG No.: Q3363

Instrument ID: BNA_G Calibration Date/Time: 10/17/2025 11:39

Lab File ID: BG064531.D Init. Calib. Date(s): 10/02/2025 10/02/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:01 15:49

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.829	1.943		6.2	
2,4-Dinitrotoluene	0.499	0.528		5.8	
Diethylphthalate	1.680	1.715		2.1	
4-Chlorophenyl-phenylether	0.830	0.889		7.1	
Fluorene	1.520	1.624		6.8	
4-Nitroaniline	0.314	0.353		12.4	
4,6-Dinitro-2-methylphenol	0.139	0.145		4.3	
n-Nitrosodiphenylamine	0.534	0.548		2.6	20.0
2,4,6-Tribromophenol	0.363	0.392		8.0	
4-Bromophenyl-phenylether	0.235	0.258		9.8	
Hexachlorobenzene	0.269	0.295		9.7	
Atrazine	0.238	0.236		-0.8	
Pentachlorophenol	0.157	0.175		11.5	20.0
Phenanthrene	1.046	1.105		5.6	
Anthracene	1.049	1.104		5.2	
Carbazole	0.907	0.960		5.8	
Di-n-butylphthalate	1.107	1.186		7.1	
Fluoranthene	1.250	1.360		8.8	20.0
Pyrene	1.298	1.327		2.2	
Terphenyl-d14	1.057	1.109		4.9	
Butylbenzylphthalate	0.460	0.494		7.4	
3,3-Dichlorobenzidine	0.432	0.452		4.6	
Benzo(a)anthracene	1.277	1.360		6.5	
Chrysene	1.211	1.267		4.6	
Bis(2-ethylhexyl)phthalate	0.649	0.699		7.7	
Di-n-octyl phthalate	1.091	1.197		9.7	20.0
Benzo(b)fluoranthene	1.138	1.210		6.3	
Benzo(k)fluoranthene	1.146	1.228		7.2	
Benzo(a)pyrene	1.049	1.116		6.4	20.0
Indeno(1,2,3-cd)pyrene	1.392	1.482		6.5	
Dibenzo(a,h)anthracene	1.113	1.209		8.6	
Benzo(g,h,i)perylene	1.082	1.142		5.5	
1,2,4,5-Tetrachlorobenzene	0.646	0.729		12.8	
1,4-Dioxane	0.427	0.353		-17.3	20.0
2,3,4,6-Tetrachlorophenol	0.470	0.493		4.9	

All other compounds must meet a minimum RRF of 0.010.

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LAB CHRONICLE

OrderID:	Q3363	**OrderDate:**	10/16/2025 10:56:42 AM
Client:	AECOM	**Project:**	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60697095.171206
Contact:	Rob Forstner	**Location:**	DOD, VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3363-01	**PR132-SO1-085011-20251015**	**SOIL**			**10/15/25**			**10/15/25**
			Pesticide-TCL	8081B		10/17/25	10/17/25	
Q3363-02	**PR132-SO1-039085-20251015**	**SOIL**			**10/15/25**			**10/15/25**
			Pesticide-TCL	8081B		10/17/25	10/17/25	
Q3363-03	**PR132-SO3-028010-20251015**	**SOIL**			**10/15/25**			**10/15/25**
			Pesticide-TCL	8081B		10/17/25	10/17/25	
Q3363-04	**PR132-SO3-010013-20251015**	**SOIL**			**10/15/25**			**10/15/25**
			Pesticide-TCL	8081B		10/17/25	10/17/25	
Q3363-05	**COMP01-20251015**	**SOIL**			**10/15/25**			**10/15/25**
			Pesticide-TCL	8081B		10/17/25	10/18/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3363 **Order ID:** Q3363

Client: AECOM **Project ID:** AE1-CTY 3.2.Z-PR-DOCK-Des-ODC

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : PR132-SO1-039085-20251015								
Q3363-02	PR132-SO1-039085-2	SOIL	4,4-DDE	9.70	P	0.25	3.00	ug/kg
Q3363-02	PR132-SO1-039085-2	SOIL	Endrin	1.40	JP	0.25	3.00	ug/kg
Q3363-02	PR132-SO1-039085-2	SOIL	4,4-DDD	5.70		0.26	3.00	ug/kg
Q3363-02	PR132-SO1-039085-2	SOIL	Endosulfan Sulfate	0.62	JP	0.23	3.00	ug/kg
Q3363-02	PR132-SO1-039085-2	SOIL	alpha-Chlordane	0.51	J	0.21	3.00	ug/kg
			Total Concentration:	**17.930**				
Client ID : PR132-SO3-028010-20251015								
Q3363-03	PR132-SO3-028010-2	SOIL	Dieldrin	0.95	JP	0.25	3.10	ug/kg
Q3363-03	PR132-SO3-028010-2	SOIL	4,4-DDE	4.40		0.25	3.10	ug/kg
Q3363-03	PR132-SO3-028010-2	SOIL	Endrin	0.47	JP	0.25	3.10	ug/kg
Q3363-03	PR132-SO3-028010-2	SOIL	4,4-DDD	6.80		0.27	3.10	ug/kg
Q3363-03	PR132-SO3-028010-2	SOIL	alpha-Chlordane	0.59	J	0.22	3.10	ug/kg
Q3363-03	PR132-SO3-028010-2	SOIL	gamma-Chlordane	1.20	JP	0.27	3.10	ug/kg
			Total Concentration:	**14.410**				

SAMPLE DATA

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	AECOM	Date Collected:	10/15/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	PR132-SO1-085011-20251015	SDG No.:	Q3363
Lab Sample ID:	Q3363-01	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	50.1
Sample Wt/Vol:	30.06 g Final Vol: 10000 uL	Test:	Pesticide-TCL
Prep Method:	SW3541B Prep Date 10/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	3.40	U	1	0.26	3.40	ug/kg	10/17/25 22:48	PB170142
319-85-7	beta-BHC	3.40	U	1	0.36	3.40	ug/kg	10/17/25 22:48	PB170142
319-86-8	delta-BHC	3.40	U	1	0.78	3.40	ug/kg	10/17/25 22:48	PB170142
58-89-9	gamma-BHC (Lindane)	3.40	U	1	0.28	3.40	ug/kg	10/17/25 22:48	PB170142
76-44-8	Heptachlor	3.40	U	1	0.24	3.40	ug/kg	10/17/25 22:48	PB170142
309-00-2	Aldrin	3.40	U	1	0.24	3.40	ug/kg	10/17/25 22:48	PB170142
1024-57-3	Heptachlor epoxide	3.40	U	1	0.38	3.40	ug/kg	10/17/25 22:48	PB170142
959-98-8	Endosulfan I	3.40	U	1	0.28	3.40	ug/kg	10/17/25 22:48	PB170142
60-57-1	Dieldrin	3.40	U	1	0.28	3.40	ug/kg	10/17/25 22:48	PB170142
72-55-9	4,4-DDE	3.40	U	1	0.28	3.40	ug/kg	10/17/25 22:48	PB170142
72-20-8	Endrin	3.40	U	1	0.28	3.40	ug/kg	10/17/25 22:48	PB170142
33213-65-9	Endosulfan II	3.40	U	1	0.58	3.40	ug/kg	10/17/25 22:48	PB170142
72-54-8	4,4-DDD	3.40	U	1	0.30	3.40	ug/kg	10/17/25 22:48	PB170142
1031-07-8	Endosulfan Sulfate	3.40	U	1	0.26	3.40	ug/kg	10/17/25 22:48	PB170142
50-29-3	4,4-DDT	3.40	U	1	0.28	3.40	ug/kg	10/17/25 22:48	PB170142
72-43-5	Methoxychlor	3.40	U	1	0.74	3.40	ug/kg	10/17/25 22:48	PB170142
53494-70-5	Endrin ketone	3.40	U	1	0.38	3.40	ug/kg	10/17/25 22:48	PB170142
7421-93-4	Endrin aldehyde	3.40	U	1	0.74	3.40	ug/kg	10/17/25 22:48	PB170142
5103-71-9	alpha-Chlordane	3.40	U	1	0.24	3.40	ug/kg	10/17/25 22:48	PB170142
5103-74-2	gamma-Chlordane	3.40	U	1	0.30	3.40	ug/kg	10/17/25 22:48	PB170142
8001-35-2	Toxaphene	65.7	U	1	10.8	65.7	ug/kg	10/17/25 22:48	PB170142
SURROGATES									
2051-24-3	Decachlorobiphenyl	16.6			20 - 144	83%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	16.1			19 - 148	81%	SPK: 20		

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	AECOM	Date Collected:	10/15/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	PR132-SO1-039085-20251015	SDG No.:	Q3363
Lab Sample ID:	Q3363-02	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	56.6
Sample Wt/Vol:	30.04 g Final Vol: 10000 uL	Test:	Pesticide-TCL
Prep Method:	SW3541B Prep Date 10/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	3.00	U	1	0.23	3.00	ug/kg	10/17/25 23:02	PB170142
319-85-7	beta-BHC	3.00	U	1	0.32	3.00	ug/kg	10/17/25 23:02	PB170142
319-86-8	delta-BHC	3.00	U	1	0.69	3.00	ug/kg	10/17/25 23:02	PB170142
58-89-9	gamma-BHC (Lindane)	3.00	U	1	0.25	3.00	ug/kg	10/17/25 23:02	PB170142
76-44-8	Heptachlor	3.00	U	1	0.21	3.00	ug/kg	10/17/25 23:02	PB170142
309-00-2	Aldrin	3.00	U	1	0.21	3.00	ug/kg	10/17/25 23:02	PB170142
1024-57-3	Heptachlor epoxide	3.00	U	1	0.34	3.00	ug/kg	10/17/25 23:02	PB170142
959-98-8	Endosulfan I	3.00	U	1	0.25	3.00	ug/kg	10/17/25 23:02	PB170142
60-57-1	Dieldrin	3.00	U	1	0.25	3.00	ug/kg	10/17/25 23:02	PB170142
72-55-9	4,4-DDE	9.70	P	1	0.25	3.00	ug/kg	10/17/25 23:02	PB170142
72-20-8	Endrin	1.40	JP	1	0.25	3.00	ug/kg	10/17/25 23:02	PB170142
33213-65-9	Endosulfan II	3.00	U	1	0.51	3.00	ug/kg	10/17/25 23:02	PB170142
72-54-8	4,4-DDD	5.70		1	0.26	3.00	ug/kg	10/17/25 23:02	PB170142
1031-07-8	Endosulfan Sulfate	0.62	JP	1	0.23	3.00	ug/kg	10/17/25 23:02	PB170142
50-29-3	4,4-DDT	3.00	U	1	0.25	3.00	ug/kg	10/17/25 23:02	PB170142
72-43-5	Methoxychlor	3.00	U	1	0.65	3.00	ug/kg	10/17/25 23:02	PB170142
53494-70-5	Endrin ketone	3.00	U	1	0.34	3.00	ug/kg	10/17/25 23:02	PB170142
7421-93-4	Endrin aldehyde	3.00	U	1	0.65	3.00	ug/kg	10/17/25 23:02	PB170142
5103-71-9	alpha-Chlordane	0.51	J	1	0.21	3.00	ug/kg	10/17/25 23:02	PB170142
5103-74-2	gamma-Chlordane	3.00	U	1	0.26	3.00	ug/kg	10/17/25 23:02	PB170142
8001-35-2	Toxaphene	58.2	U	1	9.50	58.2	ug/kg	10/17/25 23:02	PB170142
SURROGATES									
2051-24-3	Decachlorobiphenyl	6.91			20 - 144	35%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	6.63			19 - 148	33%	SPK: 20		

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	AECOM	Date Collected:	10/15/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	PR132-SO3-028010-20251015	SDG No.:	Q3363
Lab Sample ID:	Q3363-03	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	54.8
Sample Wt/Vol:	30.08 g Final Vol: 10000 uL	Test:	Pesticide-TCL
Prep Method:	SW3541B Prep Date 10/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	3.10	U	1	0.24	3.10	ug/kg	10/17/25 23:15	PB170142
319-85-7	beta-BHC	3.10	U	1	0.33	3.10	ug/kg	10/17/25 23:15	PB170142
319-86-8	delta-BHC	3.10	U	1	0.71	3.10	ug/kg	10/17/25 23:15	PB170142
58-89-9	gamma-BHC (Lindane)	3.10	U	1	0.25	3.10	ug/kg	10/17/25 23:15	PB170142
76-44-8	Heptachlor	3.10	U	1	0.22	3.10	ug/kg	10/17/25 23:15	PB170142
309-00-2	Aldrin	3.10	U	1	0.22	3.10	ug/kg	10/17/25 23:15	PB170142
1024-57-3	Heptachlor epoxide	3.10	U	1	0.35	3.10	ug/kg	10/17/25 23:15	PB170142
959-98-8	Endosulfan I	3.10	U	1	0.25	3.10	ug/kg	10/17/25 23:15	PB170142
60-57-1	Dieldrin	0.95	JP	1	0.25	3.10	ug/kg	10/17/25 23:15	PB170142
72-55-9	4,4-DDE	4.40		1	0.25	3.10	ug/kg	10/17/25 23:15	PB170142
72-20-8	Endrin	0.47	JP	1	0.25	3.10	ug/kg	10/17/25 23:15	PB170142
33213-65-9	Endosulfan II	3.10	U	1	0.53	3.10	ug/kg	10/17/25 23:15	PB170142
72-54-8	4,4-DDD	6.80		1	0.27	3.10	ug/kg	10/17/25 23:15	PB170142
1031-07-8	Endosulfan Sulfate	3.10	U	1	0.24	3.10	ug/kg	10/17/25 23:15	PB170142
50-29-3	4,4-DDT	3.10	U	1	0.25	3.10	ug/kg	10/17/25 23:15	PB170142
72-43-5	Methoxychlor	3.10	U	1	0.67	3.10	ug/kg	10/17/25 23:15	PB170142
53494-70-5	Endrin ketone	3.10	U	1	0.35	3.10	ug/kg	10/17/25 23:15	PB170142
7421-93-4	Endrin aldehyde	3.10	U	1	0.67	3.10	ug/kg	10/17/25 23:15	PB170142
5103-71-9	alpha-Chlordane	0.59	J	1	0.22	3.10	ug/kg	10/17/25 23:15	PB170142
5103-74-2	gamma-Chlordane	1.20	JP	1	0.27	3.10	ug/kg	10/17/25 23:15	PB170142
8001-35-2	Toxaphene	60.1	U	1	9.80	60.1	ug/kg	10/17/25 23:15	PB170142
SURROGATES									
2051-24-3	Decachlorobiphenyl	12.8			20 - 144	64%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	14.0			19 - 148	70%	SPK: 20		

U = Not Detected
LOQ = Limit of Quantitation
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() = Laboratory InHouse Limit

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	AECOM	Date Collected:	10/15/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	PR132-SO3-010013-20251015	SDG No.:	Q3363
Lab Sample ID:	Q3363-04	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	51.5
Sample Wt/Vol:	30.03 g Final Vol: 10000 uL	Test:	Pesticide-TCL
Prep Method:	SW3541B Prep Date 10/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	3.30	U	1	0.25	3.30	ug/kg	10/17/25 23:29	PB170142
319-85-7	beta-BHC	3.30	U	1	0.35	3.30	ug/kg	10/17/25 23:29	PB170142
319-86-8	delta-BHC	3.30	U	1	0.76	3.30	ug/kg	10/17/25 23:29	PB170142
58-89-9	gamma-BHC (Lindane)	3.30	U	1	0.27	3.30	ug/kg	10/17/25 23:29	PB170142
76-44-8	Heptachlor	3.30	U	1	0.23	3.30	ug/kg	10/17/25 23:29	PB170142
309-00-2	Aldrin	3.30	U	1	0.23	3.30	ug/kg	10/17/25 23:29	PB170142
1024-57-3	Heptachlor epoxide	3.30	U	1	0.37	3.30	ug/kg	10/17/25 23:29	PB170142
959-98-8	Endosulfan I	3.30	U	1	0.27	3.30	ug/kg	10/17/25 23:29	PB170142
60-57-1	Dieldrin	3.30	U	1	0.27	3.30	ug/kg	10/17/25 23:29	PB170142
72-55-9	4,4-DDE	3.30	U	1	0.27	3.30	ug/kg	10/17/25 23:29	PB170142
72-20-8	Endrin	3.30	U	1	0.27	3.30	ug/kg	10/17/25 23:29	PB170142
33213-65-9	Endosulfan II	3.30	U	1	0.56	3.30	ug/kg	10/17/25 23:29	PB170142
72-54-8	4,4-DDD	3.30	U	1	0.29	3.30	ug/kg	10/17/25 23:29	PB170142
1031-07-8	Endosulfan Sulfate	3.30	U	1	0.25	3.30	ug/kg	10/17/25 23:29	PB170142
50-29-3	4,4-DDT	3.30	U	1	0.27	3.30	ug/kg	10/17/25 23:29	PB170142
72-43-5	Methoxychlor	3.30	U	1	0.72	3.30	ug/kg	10/17/25 23:29	PB170142
53494-70-5	Endrin ketone	3.30	U	1	0.37	3.30	ug/kg	10/17/25 23:29	PB170142
7421-93-4	Endrin aldehyde	3.30	U	1	0.72	3.30	ug/kg	10/17/25 23:29	PB170142
5103-71-9	alpha-Chlordane	3.30	U	1	0.23	3.30	ug/kg	10/17/25 23:29	PB170142
5103-74-2	gamma-Chlordane	3.30	U	1	0.29	3.30	ug/kg	10/17/25 23:29	PB170142
8001-35-2	Toxaphene	64.0	U	1	10.5	64.0	ug/kg	10/17/25 23:29	PB170142
SURROGATES									
2051-24-3	Decachlorobiphenyl	11.7			20 - 144	58%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	12.6			19 - 148	63%	SPK: 20		

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	AECOM	Date Collected:	10/15/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	COMP01-20251015	SDG No.:	Q3363
Lab Sample ID:	Q3363-05	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	55.4
Sample Wt/Vol:	30.05 g Final Vol: 10000 uL	Test:	Pesticide-TCL
Prep Method:	SW3541B Prep Date 10/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	3.10	U	1	0.23	3.10	ug/kg	10/18/25 00:10	PB170142
319-85-7	beta-BHC	3.10	U	1	0.32	3.10	ug/kg	10/18/25 00:10	PB170142
319-86-8	delta-BHC	3.10	U	1	0.70	3.10	ug/kg	10/18/25 00:10	PB170142
58-89-9	gamma-BHC (Lindane)	3.10	U	1	0.25	3.10	ug/kg	10/18/25 00:10	PB170142
76-44-8	Heptachlor	3.10	U	1	0.22	3.10	ug/kg	10/18/25 00:10	PB170142
309-00-2	Aldrin	3.10	U	1	0.22	3.10	ug/kg	10/18/25 00:10	PB170142
1024-57-3	Heptachlor epoxide	3.10	U	1	0.34	3.10	ug/kg	10/18/25 00:10	PB170142
959-98-8	Endosulfan I	3.10	U	1	0.25	3.10	ug/kg	10/18/25 00:10	PB170142
60-57-1	Dieldrin	3.10	U	1	0.25	3.10	ug/kg	10/18/25 00:10	PB170142
72-55-9	4,4-DDE	3.10	U	1	0.25	3.10	ug/kg	10/18/25 00:10	PB170142
72-20-8	Endrin	3.10	U	1	0.25	3.10	ug/kg	10/18/25 00:10	PB170142
33213-65-9	Endosulfan II	3.10	U	1	0.52	3.10	ug/kg	10/18/25 00:10	PB170142
72-54-8	4,4-DDD	3.10	U	1	0.27	3.10	ug/kg	10/18/25 00:10	PB170142
1031-07-8	Endosulfan Sulfate	3.10	U	1	0.23	3.10	ug/kg	10/18/25 00:10	PB170142
50-29-3	4,4-DDT	3.10	U	1	0.25	3.10	ug/kg	10/18/25 00:10	PB170142
72-43-5	Methoxychlor	3.10	U	1	0.67	3.10	ug/kg	10/18/25 00:10	PB170142
53494-70-5	Endrin ketone	3.10	U	1	0.34	3.10	ug/kg	10/18/25 00:10	PB170142
7421-93-4	Endrin aldehyde	3.10	U	1	0.67	3.10	ug/kg	10/18/25 00:10	PB170142
5103-71-9	alpha-Chlordane	3.10	U	1	0.22	3.10	ug/kg	10/18/25 00:10	PB170142
5103-74-2	gamma-Chlordane	3.10	U	1	0.27	3.10	ug/kg	10/18/25 00:10	PB170142
8001-35-2	Toxaphene	59.5	U	1	9.70	59.5	ug/kg	10/18/25 00:10	PB170142
SURROGATES									
2051-24-3	Decachlorobiphenyl	10.1			20 - 144	51%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	15.1			19 - 148	75%	SPK: 20		

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

QC SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Surrogate Summary

SDG No.: Q3363

Client: AECOM

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%) Low	Limits(%) High
I.BLK-PD090647.D	PIBLK-PD090647.D	Decachlorobiphen	1	20	21.3	106		57	171
		Tetrachloro-m-xyl	1	20	19.4	97		61	148
		Decachlorobiphen	2	20	20.3	102		57	171
		Tetrachloro-m-xyl	2	20	20.0	100		61	148
I.BLK-PD090668.D	PIBLK-PD090668.D	Decachlorobiphen	1	20	22.8	114		57	171
		Tetrachloro-m-xyl	1	20	20.4	102		61	148
		Decachlorobiphen	2	20	23.1	116		57	171
		Tetrachloro-m-xyl	2	20	21.1	106		61	148
PB170142BL	PB170142BL	Decachlorobiphen	1	20	20.5	103		20	144
		Tetrachloro-m-xyl	1	20	18.6	93		19	148
		Decachlorobiphen	2	20	20.5	103		20	144
		Tetrachloro-m-xyl	2	20	19.0	95		19	148
PB170142BS	PB170142BS	Decachlorobiphen	1	20	20.0	100		20	144
		Tetrachloro-m-xyl	1	20	18.2	91		19	148
		Decachlorobiphen	2	20	20.6	103		20	144
		Tetrachloro-m-xyl	2	20	19.0	95		19	148
Q3363-01	PR132-SO1-085011-20251015	Decachlorobiphen	1	20	16.6	83		20	144
		Tetrachloro-m-xyl	1	20	16.1	81		19	148
		Decachlorobiphen	2	20	11.5	57		20	144
		Tetrachloro-m-xyl	2	20	16.1	81		19	148
Q3363-02	PR132-SO1-039085-20251015	Decachlorobiphen	1	20	6.91	35		20	144
		Tetrachloro-m-xyl	1	20	6.63	33		19	148
		Decachlorobiphen	2	20	5.08	25		20	144
		Tetrachloro-m-xyl	2	20	6.57	33		19	148
Q3363-03	PR132-SO3-028010-20251015	Decachlorobiphen	1	20	12.8	64		20	144
		Tetrachloro-m-xyl	1	20	13.7	68		19	148
		Decachlorobiphen	2	20	9.99	50		20	144
		Tetrachloro-m-xyl	2	20	14.0	70		19	148
Q3363-04	PR132-SO3-010013-20251015	Decachlorobiphen	1	20	11.7	58		20	144
		Tetrachloro-m-xyl	1	20	11.9	60		19	148
		Decachlorobiphen	2	20	8.54	43		20	144
		Tetrachloro-m-xyl	2	20	12.6	63		19	148
Q3363-04MS	PR132-SO3-010013-20251015M	Decachlorobiphen	1	20	12.7	63		20	144
		Tetrachloro-m-xyl	1	20	13.0	65		19	148
		Decachlorobiphen	2	20	9.66	48		20	144
		Tetrachloro-m-xyl	2	20	13.7	69		19	148
Q3363-04MSD	PR132-SO3-010013-20251015M	Decachlorobiphen	1	20	13.2	66		20	144
		Tetrachloro-m-xyl	1	20	13.5	68		19	148
		Decachlorobiphen	2	20	9.75	49		20	144
		Tetrachloro-m-xyl	2	20	13.8	69		19	148
Q3363-05	COMP01-20251015	Decachlorobiphen	1	20	10.1	51		20	144

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Surrogate Summary

SDG No.: Q3363

Client: AECOM

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%) Low	Limits(%) High
Q3363-05	COMP01-20251015	Tetrachloro-m-xyl	1	20	14.7	73		19	148
		Decachlorobiphen	2	20	7.24	36		20	144
		Tetrachloro-m-xyl	2	20	15.1	75		19	148
I.BLK-PD090687.D	PIBLK-PD090687.D	Decachlorobiphen	1	20	20.7	103		57	171
		Tetrachloro-m-xyl	1	20	21.0	105		61	148
		Decachlorobiphen	2	20	17.8	89		57	171
		Tetrachloro-m-xyl	2	20	21.0	105		61	148

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3363 **Analytical Method:** 8081B

Client: AECOM **DataFile :** PD090682.D

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID:	**Q3363-04MS (Column 1)**	**Client Sample ID:**		**PR132-SO3-010013-202510**								
	alpha-BHC	32.3	0	29.0	ug/kg	90				60	144	
	beta-BHC	32.3	0	24.9	ug/kg	77				54	143	
	delta-BHC	32.3	0	29.0	ug/kg	90				29	151	
	gamma-BHC (Lindane)	32.3	0	28.5	ug/kg	88				61	140	
	Heptachlor	32.3	0	27.7	ug/kg	86				63	135	
	Aldrin	32.3	0	28.9	ug/kg	89				49	139	
	Heptachlor epoxide	32.3	0	28.0	ug/kg	87				41	156	
	Endosulfan I	32.3	0	27.5	ug/kg	85				56	142	
	Dieldrin	32.3	0	27.1	ug/kg	84				47	161	
	4,4'-DDE	32.3	0	25.3	ug/kg	78				55	136	
	Endrin	32.3	0	27.8	ug/kg	86				57	139	
	Endosulfan II	32.3	0	26.8	ug/kg	83				40	163	
	4,4'-DDD	32.3	0	27.0	ug/kg	84				47	163	
	Endosulfan sulfate	32.3	0	26.3	ug/kg	81				62	139	
	4,4'-DDT	32.3	0	27.1	ug/kg	84				51	146	
	Methoxychlor	32.3	0	26.9	ug/kg	83				54	136	
	Endrin ketone	32.3	0	26.8	ug/kg	83				60	129	
	Endrin aldehyde	32.3	0	27.0	ug/kg	84				59	132	
	alpha-Chlordane	32.3	0	26.6	ug/kg	82				39	166	
	gamma-Chlordane	32.3	0	27.1	ug/kg	84				44	175	
Lab Sample ID:	**Q3363-04MS (Column 2)**	**Client Sample ID:**		**PR132-SO3-010013-202510**								
	alpha-BHC	32.3	0	25.7	ug/kg	80				60	144	
	beta-BHC	32.3	0	24.7	ug/kg	76				54	143	
	delta-BHC	32.3	0	25.6	ug/kg	79				29	151	
	gamma-BHC (Lindane)	32.3	0	25.5	ug/kg	79				61	140	
	Heptachlor	32.3	0	26.3	ug/kg	81				63	135	
	Aldrin	32.3	0	25.2	ug/kg	78				49	139	
	Heptachlor epoxide	32.3	0	25.8	ug/kg	80				41	156	
	Endosulfan I	32.3	0	22.4	ug/kg	69				56	142	
	Dieldrin	32.3	0	25.3	ug/kg	78				47	161	
	4,4'-DDE	32.3	0	23.1	ug/kg	72				55	136	
	Endrin	32.3	0	24.5	ug/kg	76				57	139	
	Endosulfan II	32.3	0	24.1	ug/kg	75				40	163	
	4,4'-DDD	32.3	0	22.1	ug/kg	68				47	163	
	Endosulfan sulfate	32.3	0	23.4	ug/kg	72				62	139	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3363 **Analytical Method:** 8081B

Client: AECOM **DataFile :** PD090682.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
4,4'-DDT	32.3	0	23.9	ug/kg	74				51	146	
Methoxychlor	32.3	0	23.6	ug/kg	73				54	136	
Endrin ketone	32.3	0	21.7	ug/kg	67				60	129	
Endrin aldehyde	32.3	0	23.6	ug/kg	73				59	132	
alpha-Chlordane	32.3	0	25.2	ug/kg	78				39	166	
gamma-Chlordane	32.3	0	26.0	ug/kg	80				44	175	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3363 **Analytical Method:** 8081B

Client: AECOM **DataFile :** PD090683.D

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID:	**Q3363-04MSD (Column 1)**	**Client Sample ID:**		**PR132-SO3-010013-202510**								
	alpha-BHC	32.28	0	30.2	ug/kg	94		4		60	144	20
	beta-BHC	32.28	0	25.8	ug/kg	80		4		54	143	20
	delta-BHC	32.28	0	30.0	ug/kg	93		3		29	151	20
	gamma-BHC (Lindane)	32.28	0	29.6	ug/kg	92		4		61	140	20
	Heptachlor	32.28	0	28.7	ug/kg	89		3		63	135	20
	Aldrin	32.28	0	29.8	ug/kg	92		3		49	139	20
	Heptachlor epoxide	32.28	0	29.0	ug/kg	90		3		41	156	20
	Endosulfan I	32.28	0	28.8	ug/kg	89		5		56	142	20
	Dieldrin	32.28	0	28.3	ug/kg	88		5		47	161	20
	4,4'-DDE	32.28	0	26.6	ug/kg	82		5		55	136	20
	Endrin	32.28	0	29.1	ug/kg	90		5		57	139	20
	Endosulfan II	32.28	0	28.0	ug/kg	87		5		40	163	20
	4,4'-DDD	32.28	0	28.4	ug/kg	88		5		47	163	20
	Endosulfan sulfate	32.28	0	27.5	ug/kg	85		5		62	139	20
	4,4'-DDT	32.28	0	28.2	ug/kg	87		4		51	146	20
	Methoxychlor	32.28	0	27.7	ug/kg	86		4		54	136	20
	Endrin ketone	32.28	0	28.4	ug/kg	88		6		60	129	20
	Endrin aldehyde	32.28	0	28.2	ug/kg	87		4		59	132	20
	alpha-Chlordane	32.28	0	27.6	ug/kg	86		5		39	166	20
	gamma-Chlordane	32.28	0	28.3	ug/kg	88		5		44	175	20
Lab Sample ID:	**Q3363-04MSD (Column 2)**	**Client Sample ID:**		**PR132-SO3-010013-202510**								
	alpha-BHC	32.28	0	26.0	ug/kg	81		1		60	144	20
	beta-BHC	32.28	0	25.0	ug/kg	77		1		54	143	20
	delta-BHC	32.28	0	25.8	ug/kg	80		1		29	151	20
	gamma-BHC (Lindane)	32.28	0	25.7	ug/kg	80		1		61	140	20
	Heptachlor	32.28	0	26.7	ug/kg	83		2		63	135	20
	Aldrin	32.28	0	25.7	ug/kg	80		3		49	139	20
	Heptachlor epoxide	32.28	0	25.6	ug/kg	79		1		41	156	20
	Endosulfan I	32.28	0	22.8	ug/kg	71		3		56	142	20
	Dieldrin	32.28	0	25.9	ug/kg	80		3		47	161	20
	4,4'-DDE	32.28	0	23.5	ug/kg	73		1		55	136	20
	Endrin	32.28	0	24.9	ug/kg	77		1		57	139	20
	Endosulfan II	32.28	0	24.4	ug/kg	76		1		40	163	20
	4,4'-DDD	32.28	0	22.4	ug/kg	69		1		47	163	20
	Endosulfan sulfate	32.28	0	23.5	ug/kg	73		1		62	139	20

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3363 **Analytical Method:** 8081B

Client: AECOM **DataFile :** PD090683.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
4,4'-DDT	32.28	0	24.3	ug/kg	75		1		51	146	20
Methoxychlor	32.28	0	24.2	ug/kg	75		3		54	136	20
Endrin ketone	32.28	0	21.7	ug/kg	67		0		60	129	20
Endrin aldehyde	32.28	0	24.0	ug/kg	74		1		59	132	20
alpha-Chlordane	32.28	0	25.5	ug/kg	79		1		39	166	20
gamma-Chlordane	32.28	0	26.4	ug/kg	82		2		44	175	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3363 **Analytical Method:** 8081B

Client: AECOM **Datafile :** PD090672.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB170142BS (Column 1)	alpha-BHC	16.65	15.4	ug/kg	92				84	123	
	beta-BHC	16.65	15.0	ug/kg	90				82	123	
	delta-BHC	16.65	15.4	ug/kg	92				83	126	
	gamma-BHC (Lindane)	16.65	15.4	ug/kg	92				83	125	
	Heptachlor	16.65	14.7	ug/kg	88				83	122	
	Aldrin	16.65	15.6	ug/kg	94				82	124	
	Heptachlor epoxide	16.65	15.6	ug/kg	94				83	120	
	Endosulfan I	16.65	15.5	ug/kg	93				81	124	
	Dieldrin	16.65	15.6	ug/kg	94				85	121	
	4,4'-DDE	16.65	15.5	ug/kg	93				81	123	
	Endrin	16.65	15.7	ug/kg	94				76	130	
	Endosulfan II	16.65	15.6	ug/kg	94				80	125	
	4,4'-DDD	16.65	15.6	ug/kg	94				80	131	
	Endosulfan sulfate	16.65	15.4	ug/kg	92				81	122	
	4,4'-DDT	16.65	15.4	ug/kg	92				70	129	
	Methoxychlor	16.65	15.0	ug/kg	90				60	119	
	Endrin ketone	16.65	15.5	ug/kg	93				77	132	
	Endrin aldehyde	16.65	15.4	ug/kg	92				79	124	
	alpha-Chlordane	16.65	16.0	ug/kg	96				84	120	
	gamma-Chlordane	16.65	15.4	ug/kg	92				83	122	
PB170142BS (Column 2)	alpha-BHC	16.65	15.5	ug/kg	93				84	123	
	beta-BHC	16.65	15.5	ug/kg	93				82	123	
	delta-BHC	16.65	15.6	ug/kg	94				83	126	
	gamma-BHC (Lindane)	16.65	15.6	ug/kg	94				83	125	
	Heptachlor	16.65	15.7	ug/kg	94				83	122	
	Aldrin	16.65	15.7	ug/kg	94				82	124	
	Heptachlor epoxide	16.65	15.6	ug/kg	94				83	120	
	Endosulfan I	16.65	15.8	ug/kg	95				81	124	
	Dieldrin	16.65	15.8	ug/kg	95				85	121	
	4,4'-DDE	16.65	15.7	ug/kg	94				81	123	
	Endrin	16.65	16.0	ug/kg	96				76	130	
	Endosulfan II	16.65	15.8	ug/kg	95				80	125	
	4,4'-DDD	16.65	15.8	ug/kg	95				80	131	
	Endosulfan sulfate	16.65	15.9	ug/kg	95				81	122	
	4,4'-DDT	16.65	16.2	ug/kg	97				70	129	
	Methoxychlor	16.65	15.9	ug/kg	95				60	119	
	Endrin ketone	16.65	15.9	ug/kg	95				77	132	
	Endrin aldehyde	16.65	15.8	ug/kg	95				79	124	
	alpha-Chlordane	16.65	15.7	ug/kg	94				84	120	
	gamma-Chlordane	16.65	15.7	ug/kg	94				83	122	

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4C

PESTICIDE METHOD BLANK SUMMARY

Client ID: PB170142BL

Lab Name: Alliance | Contract: AECO02

Lab Code: ACE | SDG NO.: Q3363

Lab Sample ID: PB170142BL | Lab File ID: PD090671.D

Matrix: (soil/water) Solid | Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N | Date Extracted: 10/17/2025

Date Analyzed (1): 10/17/2025 | Date Analyzed (2): 10/17/2025

Time Analyzed (1): 20:31 | Time Analyzed (2): 20:31

Instrument ID (1): ECD_D | Instrument ID (2): ECD_D

GC Column (1): ZB-MR1 ID: 0.32 (mm) | GC Column (2): ZB-MR2 ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
PB170142BS	PB170142BS	PD090672.D	10/17/2025	10/17/2025
PR132-SO1-085011-20251015	Q3363-01	PD090678.D	10/17/2025	10/17/2025
PR132-SO1-039085-20251015	Q3363-02	PD090679.D	10/17/2025	10/17/2025
PR132-SO3-028010-20251015	Q3363-03	PD090680.D	10/17/2025	10/17/2025
PR132-SO3-010013-20251015	Q3363-04	PD090681.D	10/17/2025	10/17/2025
PR132-SO3-010013-20251015MS	Q3363-04MS	PD090682.D	10/17/2025	10/17/2025
PR132-SO3-010013-20251015MSD	Q3363-04MSD	PD090683.D	10/17/2025	10/17/2025
COMP01-20251015	Q3363-05	PD090684.D	10/18/2025	10/18/2025

COMMENTS:

QC SAMPLE DATA

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Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	PB170142BL	SDG No.:	Q3363
Lab Sample ID:	PB170142BL	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	100
Sample Wt/Vol:	30.01 g Final Vol: 10000 uL	Test:	Pesticide-TCL
Prep Method:	SW3541B Prep Date 10/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	1.70	U	1	0.13	1.70	ug/kg	10/17/25 20:31	PB170142
319-85-7	beta-BHC	1.70	U	1	0.18	1.70	ug/kg	10/17/25 20:31	PB170142
319-86-8	delta-BHC	1.70	U	1	0.39	1.70	ug/kg	10/17/25 20:31	PB170142
58-89-9	gamma-BHC (Lindane)	1.70	U	1	0.14	1.70	ug/kg	10/17/25 20:31	PB170142
76-44-8	Heptachlor	1.70	U	1	0.12	1.70	ug/kg	10/17/25 20:31	PB170142
309-00-2	Aldrin	1.70	U	1	0.12	1.70	ug/kg	10/17/25 20:31	PB170142
1024-57-3	Heptachlor epoxide	1.70	U	1	0.19	1.70	ug/kg	10/17/25 20:31	PB170142
959-98-8	Endosulfan I	1.70	U	1	0.14	1.70	ug/kg	10/17/25 20:31	PB170142
60-57-1	Dieldrin	1.70	U	1	0.14	1.70	ug/kg	10/17/25 20:31	PB170142
72-55-9	4,4-DDE	1.70	U	1	0.14	1.70	ug/kg	10/17/25 20:31	PB170142
72-20-8	Endrin	1.70	U	1	0.14	1.70	ug/kg	10/17/25 20:31	PB170142
33213-65-9	Endosulfan II	1.70	U	1	0.29	1.70	ug/kg	10/17/25 20:31	PB170142
72-54-8	4,4-DDD	1.70	U	1	0.15	1.70	ug/kg	10/17/25 20:31	PB170142
1031-07-8	Endosulfan Sulfate	1.70	U	1	0.13	1.70	ug/kg	10/17/25 20:31	PB170142
50-29-3	4,4-DDT	1.70	U	1	0.14	1.70	ug/kg	10/17/25 20:31	PB170142
72-43-5	Methoxychlor	1.70	U	1	0.37	1.70	ug/kg	10/17/25 20:31	PB170142
53494-70-5	Endrin ketone	1.70	U	1	0.19	1.70	ug/kg	10/17/25 20:31	PB170142
7421-93-4	Endrin aldehyde	1.70	U	1	0.37	1.70	ug/kg	10/17/25 20:31	PB170142
5103-71-9	alpha-Chlordane	1.70	U	1	0.12	1.70	ug/kg	10/17/25 20:31	PB170142
5103-74-2	gamma-Chlordane	1.70	U	1	0.15	1.70	ug/kg	10/17/25 20:31	PB170142
8001-35-2	Toxaphene	33.0	U	1	5.40	33.0	ug/kg	10/17/25 20:31	PB170142
SURROGATES									
2051-24-3	Decachlorobiphenyl	20.5			20 - 144	103%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	19.0			19 - 148	95%	SPK: 20		

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
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() = Laboratory InHouse Limit

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	AECOM	Date Collected:	10/17/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/17/25
Client Sample ID:	PIBLK-PD090647.D	SDG No.:	Q3363
Lab Sample ID:	I.BLK-PD090647.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 10000 uL	Test:	Pesticide-TCL
Prep Method:	3510C Prep Date		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	0.050	U	1	0.0039	0.050	ug/L	10/17/25	pd101725
319-85-7	beta-BHC	0.050	U	1	0.0049	0.050	ug/L	10/17/25	pd101725
319-86-8	delta-BHC	0.050	U	1	0.011	0.050	ug/L	10/17/25	pd101725
58-89-9	gamma-BHC (Lindane)	0.050	U	1	0.0037	0.050	ug/L	10/17/25	pd101725
76-44-8	Heptachlor	0.050	U	1	0.0027	0.050	ug/L	10/17/25	pd101725
309-00-2	Aldrin	0.050	U	1	0.0036	0.050	ug/L	10/17/25	pd101725
1024-57-3	Heptachlor epoxide	0.050	U	1	0.0096	0.050	ug/L	10/17/25	pd101725
959-98-8	Endosulfan I	0.050	U	1	0.0031	0.050	ug/L	10/17/25	pd101725
60-57-1	Dieldrin	0.050	U	1	0.0036	0.050	ug/L	10/17/25	pd101725
72-55-9	4,4-DDE	0.050	U	1	0.0037	0.050	ug/L	10/17/25	pd101725
72-20-8	Endrin	0.050	U	1	0.0032	0.050	ug/L	10/17/25	pd101725
33213-65-9	Endosulfan II	0.050	U	1	0.0079	0.050	ug/L	10/17/25	pd101725
72-54-8	4,4-DDD	0.050	U	1	0.0071	0.050	ug/L	10/17/25	pd101725
1031-07-8	Endosulfan Sulfate	0.050	U	1	0.0037	0.050	ug/L	10/17/25	pd101725
50-29-3	4,4-DDT	0.050	U	1	0.0035	0.050	ug/L	10/17/25	pd101725
72-43-5	Methoxychlor	0.050	U	1	0.011	0.050	ug/L	10/17/25	pd101725
53494-70-5	Endrin ketone	0.050	U	1	0.0093	0.050	ug/L	10/17/25	pd101725
7421-93-4	Endrin aldehyde	0.050	U	1	0.011	0.050	ug/L	10/17/25	pd101725
5103-71-9	alpha-Chlordane	0.050	U	1	0.0035	0.050	ug/L	10/17/25	pd101725
5103-74-2	gamma-Chlordane	0.050	U	1	0.0039	0.050	ug/L	10/17/25	pd101725
8001-35-2	Toxaphene	1.00	U	1	0.17	1.00	ug/L	10/17/25	pd101725
SURROGATES									
2051-24-3	Decachlorobiphenyl	21.3			57 - 171	106%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	20.0			61 - 148	100%	SPK: 20		

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Report of Analysis

Client:	AECOM	Date Collected:	10/17/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/17/25
Client Sample ID:	PIBLK-PD090668.D	SDG No.:	Q3363
Lab Sample ID:	I.BLK-PD090668.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 10000 uL	Test:	Pesticide-TCL
Prep Method:	3510C Prep Date		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	0.050	U	1	0.0039	0.050	ug/L	10/17/25	pd101725
319-85-7	beta-BHC	0.050	U	1	0.0049	0.050	ug/L	10/17/25	pd101725
319-86-8	delta-BHC	0.050	U	1	0.011	0.050	ug/L	10/17/25	pd101725
58-89-9	gamma-BHC (Lindane)	0.050	U	1	0.0037	0.050	ug/L	10/17/25	pd101725
76-44-8	Heptachlor	0.050	U	1	0.0027	0.050	ug/L	10/17/25	pd101725
309-00-2	Aldrin	0.050	U	1	0.0036	0.050	ug/L	10/17/25	pd101725
1024-57-3	Heptachlor epoxide	0.050	U	1	0.0096	0.050	ug/L	10/17/25	pd101725
959-98-8	Endosulfan I	0.050	U	1	0.0031	0.050	ug/L	10/17/25	pd101725
60-57-1	Dieldrin	0.050	U	1	0.0036	0.050	ug/L	10/17/25	pd101725
72-55-9	4,4-DDE	0.050	U	1	0.0037	0.050	ug/L	10/17/25	pd101725
72-20-8	Endrin	0.050	U	1	0.0032	0.050	ug/L	10/17/25	pd101725
33213-65-9	Endosulfan II	0.050	U	1	0.0079	0.050	ug/L	10/17/25	pd101725
72-54-8	4,4-DDD	0.050	U	1	0.0071	0.050	ug/L	10/17/25	pd101725
1031-07-8	Endosulfan Sulfate	0.050	U	1	0.0037	0.050	ug/L	10/17/25	pd101725
50-29-3	4,4-DDT	0.050	U	1	0.0035	0.050	ug/L	10/17/25	pd101725
72-43-5	Methoxychlor	0.050	U	1	0.011	0.050	ug/L	10/17/25	pd101725
53494-70-5	Endrin ketone	0.050	U	1	0.0093	0.050	ug/L	10/17/25	pd101725
7421-93-4	Endrin aldehyde	0.050	U	1	0.011	0.050	ug/L	10/17/25	pd101725
5103-71-9	alpha-Chlordane	0.050	U	1	0.0035	0.050	ug/L	10/17/25	pd101725
5103-74-2	gamma-Chlordane	0.050	U	1	0.0039	0.050	ug/L	10/17/25	pd101725
8001-35-2	Toxaphene	1.00	U	1	0.17	1.00	ug/L	10/17/25	pd101725
SURROGATES									
2051-24-3	Decachlorobiphenyl	23.1			57 - 171	116%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	21.1			61 - 148	106%	SPK: 20		

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Report of Analysis

Client:	AECOM	Date Collected:	10/18/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/18/25
Client Sample ID:	PIBLK-PD090687.D	SDG No.:	Q3363
Lab Sample ID:	I.BLK-PD090687.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 10000 uL	Test:	Pesticide-TCL
Prep Method:	3510C Prep Date		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	0.050	U	1	0.0039	0.050	ug/L	10/18/25	pd101725
319-85-7	beta-BHC	0.050	U	1	0.0049	0.050	ug/L	10/18/25	pd101725
319-86-8	delta-BHC	0.050	U	1	0.011	0.050	ug/L	10/18/25	pd101725
58-89-9	gamma-BHC (Lindane)	0.050	U	1	0.0037	0.050	ug/L	10/18/25	pd101725
76-44-8	Heptachlor	0.050	U	1	0.0027	0.050	ug/L	10/18/25	pd101725
309-00-2	Aldrin	0.050	U	1	0.0036	0.050	ug/L	10/18/25	pd101725
1024-57-3	Heptachlor epoxide	0.050	U	1	0.0096	0.050	ug/L	10/18/25	pd101725
959-98-8	Endosulfan I	0.050	U	1	0.0031	0.050	ug/L	10/18/25	pd101725
60-57-1	Dieldrin	0.050	U	1	0.0036	0.050	ug/L	10/18/25	pd101725
72-55-9	4,4-DDE	0.050	U	1	0.0037	0.050	ug/L	10/18/25	pd101725
72-20-8	Endrin	0.050	U	1	0.0032	0.050	ug/L	10/18/25	pd101725
33213-65-9	Endosulfan II	0.050	U	1	0.0079	0.050	ug/L	10/18/25	pd101725
72-54-8	4,4-DDD	0.050	U	1	0.0071	0.050	ug/L	10/18/25	pd101725
1031-07-8	Endosulfan Sulfate	0.050	U	1	0.0037	0.050	ug/L	10/18/25	pd101725
50-29-3	4,4-DDT	0.050	U	1	0.0035	0.050	ug/L	10/18/25	pd101725
72-43-5	Methoxychlor	0.050	U	1	0.011	0.050	ug/L	10/18/25	pd101725
53494-70-5	Endrin ketone	0.050	U	1	0.0093	0.050	ug/L	10/18/25	pd101725
7421-93-4	Endrin aldehyde	0.050	U	1	0.011	0.050	ug/L	10/18/25	pd101725
5103-71-9	alpha-Chlordane	0.050	U	1	0.0035	0.050	ug/L	10/18/25	pd101725
5103-74-2	gamma-Chlordane	0.050	U	1	0.0039	0.050	ug/L	10/18/25	pd101725
8001-35-2	Toxaphene	1.00	U	1	0.17	1.00	ug/L	10/18/25	pd101725
SURROGATES									
2051-24-3	Decachlorobiphenyl	20.7			57 - 171	103%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	21.0			61 - 148	105%	SPK: 20		

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Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	PB170142BS	SDG No.:	Q3363
Lab Sample ID:	PB170142BS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	100
Sample Wt/Vol:	30.03 g Final Vol: 10000 uL	Test:	Pesticide-TCL
Prep Method:	SW3541B Prep Date 10/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	15.5		1	0.13	1.70	ug/kg	10/17/25 20:45	PB170142
319-85-7	beta-BHC	15.5		1	0.18	1.70	ug/kg	10/17/25 20:45	PB170142
319-86-8	delta-BHC	15.6		1	0.39	1.70	ug/kg	10/17/25 20:45	PB170142
58-89-9	gamma-BHC (Lindane)	15.6		1	0.14	1.70	ug/kg	10/17/25 20:45	PB170142
76-44-8	Heptachlor	15.7		1	0.12	1.70	ug/kg	10/17/25 20:45	PB170142
309-00-2	Aldrin	15.7		1	0.12	1.70	ug/kg	10/17/25 20:45	PB170142
1024-57-3	Heptachlor epoxide	15.6		1	0.19	1.70	ug/kg	10/17/25 20:45	PB170142
959-98-8	Endosulfan I	15.8		1	0.14	1.70	ug/kg	10/17/25 20:45	PB170142
60-57-1	Dieldrin	15.8		1	0.14	1.70	ug/kg	10/17/25 20:45	PB170142
72-55-9	4,4-DDE	15.7		1	0.14	1.70	ug/kg	10/17/25 20:45	PB170142
72-20-8	Endrin	16.0		1	0.14	1.70	ug/kg	10/17/25 20:45	PB170142
33213-65-9	Endosulfan II	15.8		1	0.29	1.70	ug/kg	10/17/25 20:45	PB170142
72-54-8	4,4-DDD	15.8		1	0.15	1.70	ug/kg	10/17/25 20:45	PB170142
1031-07-8	Endosulfan Sulfate	15.9		1	0.13	1.70	ug/kg	10/17/25 20:45	PB170142
50-29-3	4,4-DDT	16.2		1	0.14	1.70	ug/kg	10/17/25 20:45	PB170142
72-43-5	Methoxychlor	15.9		1	0.37	1.70	ug/kg	10/17/25 20:45	PB170142
53494-70-5	Endrin ketone	15.9		1	0.19	1.70	ug/kg	10/17/25 20:45	PB170142
7421-93-4	Endrin aldehyde	15.8		1	0.37	1.70	ug/kg	10/17/25 20:45	PB170142
5103-71-9	alpha-Chlordane	16.0		1	0.12	1.70	ug/kg	10/17/25 20:45	PB170142
5103-74-2	gamma-Chlordane	15.7		1	0.15	1.70	ug/kg	10/17/25 20:45	PB170142
8001-35-2	Toxaphene	33.0	U	1	5.40	33.0	ug/kg	10/17/25 20:45	PB170142
SURROGATES									
2051-24-3	Decachlorobiphenyl	20.6			20 - 144	103%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	19.0			19 - 148	95%	SPK: 20		

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM	Date Collected:	10/15/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	PR132-SO3-010013-20251015MS	SDG No.:	Q3363
Lab Sample ID:	Q3363-04MS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	51.5
Sample Wt/Vol:	30.06 g Final Vol: 10000 uL	Test:	Pesticide-TCL
Prep Method:	SW3541B Prep Date 10/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	29.0		1	0.25	3.30	ug/kg	10/17/25 23:43	PB170142
319-85-7	beta-BHC	24.9		1	0.35	3.30	ug/kg	10/17/25 23:43	PB170142
319-86-8	delta-BHC	29.0		1	0.76	3.30	ug/kg	10/17/25 23:43	PB170142
58-89-9	gamma-BHC (Lindane)	28.5		1	0.27	3.30	ug/kg	10/17/25 23:43	PB170142
76-44-8	Heptachlor	27.7		1	0.23	3.30	ug/kg	10/17/25 23:43	PB170142
309-00-2	Aldrin	28.9		1	0.23	3.30	ug/kg	10/17/25 23:43	PB170142
1024-57-3	Heptachlor epoxide	28.0		1	0.37	3.30	ug/kg	10/17/25 23:43	PB170142
959-98-8	Endosulfan I	27.5		1	0.27	3.30	ug/kg	10/17/25 23:43	PB170142
60-57-1	Dieldrin	27.1		1	0.27	3.30	ug/kg	10/17/25 23:43	PB170142
72-55-9	4,4-DDE	25.3		1	0.27	3.30	ug/kg	10/17/25 23:43	PB170142
72-20-8	Endrin	27.8		1	0.27	3.30	ug/kg	10/17/25 23:43	PB170142
33213-65-9	Endosulfan II	26.8		1	0.56	3.30	ug/kg	10/17/25 23:43	PB170142
72-54-8	4,4-DDD	27.0		1	0.29	3.30	ug/kg	10/17/25 23:43	PB170142
1031-07-8	Endosulfan Sulfate	26.3		1	0.25	3.30	ug/kg	10/17/25 23:43	PB170142
50-29-3	4,4-DDT	27.1		1	0.27	3.30	ug/kg	10/17/25 23:43	PB170142
72-43-5	Methoxychlor	26.9		1	0.72	3.30	ug/kg	10/17/25 23:43	PB170142
53494-70-5	Endrin ketone	26.8		1	0.37	3.30	ug/kg	10/17/25 23:43	PB170142
7421-93-4	Endrin aldehyde	27.0		1	0.72	3.30	ug/kg	10/17/25 23:43	PB170142
5103-71-9	alpha-Chlordane	26.6		1	0.23	3.30	ug/kg	10/17/25 23:43	PB170142
5103-74-2	gamma-Chlordane	27.1		1	0.29	3.30	ug/kg	10/17/25 23:43	PB170142
8001-35-2	Toxaphene	63.9	U	1	10.5	63.9	ug/kg	10/17/25 23:43	PB170142
SURROGATES									
2051-24-3	Decachlorobiphenyl	12.7			20 - 144	63%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	13.7			19 - 148	69%	SPK: 20		

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
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J = Estimated Value
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N = Presumptive Evidence of a Compound
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D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Fax : 908 789 8922

Report of Analysis

Client:	AECOM	Date Collected:	10/15/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	PR132-SO3-010013-20251015MSD	SDG No.:	Q3363
Lab Sample ID:	Q3363-04MSD	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	51.5
Sample Wt/Vol:	30.08 g Final Vol: 10000 uL	Test:	Pesticide-TCL
Prep Method:	SW3541B Prep Date 10/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	30.2		1	0.25	3.30	ug/kg	10/17/25 23:56	PB170142
319-85-7	beta-BHC	25.8		1	0.35	3.30	ug/kg	10/17/25 23:56	PB170142
319-86-8	delta-BHC	30.0		1	0.76	3.30	ug/kg	10/17/25 23:56	PB170142
58-89-9	gamma-BHC (Lindane)	29.6		1	0.27	3.30	ug/kg	10/17/25 23:56	PB170142
76-44-8	Heptachlor	28.7		1	0.23	3.30	ug/kg	10/17/25 23:56	PB170142
309-00-2	Aldrin	29.8		1	0.23	3.30	ug/kg	10/17/25 23:56	PB170142
1024-57-3	Heptachlor epoxide	29.0		1	0.37	3.30	ug/kg	10/17/25 23:56	PB170142
959-98-8	Endosulfan I	28.8		1	0.27	3.30	ug/kg	10/17/25 23:56	PB170142
60-57-1	Dieldrin	28.3		1	0.27	3.30	ug/kg	10/17/25 23:56	PB170142
72-55-9	4,4-DDE	26.6		1	0.27	3.30	ug/kg	10/17/25 23:56	PB170142
72-20-8	Endrin	29.1		1	0.27	3.30	ug/kg	10/17/25 23:56	PB170142
33213-65-9	Endosulfan II	28.0		1	0.56	3.30	ug/kg	10/17/25 23:56	PB170142
72-54-8	4,4-DDD	28.4		1	0.29	3.30	ug/kg	10/17/25 23:56	PB170142
1031-07-8	Endosulfan Sulfate	27.5		1	0.25	3.30	ug/kg	10/17/25 23:56	PB170142
50-29-3	4,4-DDT	28.2		1	0.27	3.30	ug/kg	10/17/25 23:56	PB170142
72-43-5	Methoxychlor	27.7		1	0.72	3.30	ug/kg	10/17/25 23:56	PB170142
53494-70-5	Endrin ketone	28.4		1	0.37	3.30	ug/kg	10/17/25 23:56	PB170142
7421-93-4	Endrin aldehyde	28.2		1	0.72	3.30	ug/kg	10/17/25 23:56	PB170142
5103-71-9	alpha-Chlordane	27.6		1	0.23	3.30	ug/kg	10/17/25 23:56	PB170142
5103-74-2	gamma-Chlordane	28.3		1	0.29	3.30	ug/kg	10/17/25 23:56	PB170142
8001-35-2	Toxaphene	63.9	U	1	10.5	63.9	ug/kg	10/17/25 23:56	PB170142
SURROGATES									
2051-24-3	Decachlorobiphenyl	13.2			20 - 144	66%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	13.8			19 - 148	69%	SPK: 20		

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
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J = Estimated Value
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N = Presumptive Evidence of a Compound
* = Values outside of QC limits
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S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

CALIBRATION SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_D
Contract: AECO02
SDG NO.: Q3363
Calibration Date(s): 10/17/2025 10/17/2025
Calibration Times: 11:34 12:28

GC Column: ZB-MR1 ID: 0.32 (mm)

LAB FILE ID: RT 100 = PD090650.D RT 075 = PD090651.D
RT 050 = PD090652.D RT 025 = PD090653.D RT 005 = PD090654.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
4,4'-DDD	6.70	6.70	6.70	6.70	6.70	6.70	6.60	6.80
4,4'-DDE	6.19	6.19	6.19	6.19	6.19	6.19	6.09	6.29
4,4'-DDT	7.02	7.02	7.02	7.02	7.02	7.02	6.92	7.12
Aldrin	5.26	5.27	5.26	5.26	5.26	5.26	5.16	5.36
alpha-BHC	3.99	3.99	3.99	3.99	3.99	3.99	3.89	4.09
alpha-Chlordane	6.02	6.02	6.02	6.02	6.02	6.02	5.92	6.12
beta-BHC	4.51	4.51	4.51	4.51	4.51	4.51	4.41	4.61
Decachlorobiphenyl	9.07	9.07	9.06	9.07	9.07	9.07	8.97	9.17
delta-BHC	4.76	4.76	4.76	4.76	4.76	4.76	4.66	4.86
Dieldrin	6.34	6.34	6.34	6.34	6.34	6.34	6.24	6.44
Endosulfan I	6.07	6.07	6.07	6.07	6.07	6.07	5.97	6.17
Endosulfan II	6.78	6.78	6.78	6.78	6.78	6.78	6.68	6.88
Endosulfan sulfate	7.15	7.15	7.15	7.14	7.14	7.14	7.04	7.24
Endrin	6.57	6.57	6.57	6.57	6.57	6.57	6.47	6.67
Endrin aldehyde	6.91	6.91	6.91	6.91	6.91	6.91	6.81	7.01
Endrin ketone	7.63	7.63	7.63	7.63	7.62	7.62	7.52	7.72
gamma-BHC (Lindane)	4.32	4.33	4.33	4.32	4.32	4.32	4.22	4.42
gamma-Chlordane	5.94	5.94	5.94	5.94	5.94	5.94	5.84	6.04
Heptachlor	4.92	4.92	4.92	4.92	4.92	4.92	4.82	5.02
Heptachlor epoxide	5.69	5.69	5.68	5.68	5.68	5.68	5.58	5.78
Methoxychlor	7.49	7.49	7.49	7.49	7.49	7.49	7.39	7.59
Tetrachloro-m-xylene	3.54	3.55	3.55	3.54	3.54	3.54	3.44	3.64

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RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_D
Contract: AECO02
SDG NO.: Q3363
Calibration Date(s): 10/17/2025 10/17/2025
Calibration Times: 11:34 12:28

GC Column: ZB-MR2 ID: 0.32 (mm)

LAB FILE ID: RT 100 = PD090650.D RT 075 = PD090651.D
RT 050 = PD090652.D RT 025 = PD090653.D RT 005 = PD090654.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
4,4'-DDD	5.92	5.92	5.92	5.92	5.92	5.92	5.82	6.02
4,4'-DDE	5.37	5.37	5.37	5.37	5.37	5.37	5.27	5.47
4,4'-DDT	6.17	6.18	6.17	6.17	6.18	6.17	6.07	6.27
Aldrin	4.36	4.36	4.36	4.36	4.36	4.36	4.26	4.46
alpha-BHC	3.39	3.39	3.39	3.39	3.39	3.39	3.29	3.49
alpha-Chlordane	5.18	5.18	5.18	5.18	5.18	5.18	5.08	5.28
beta-BHC	4.02	4.02	4.02	4.02	4.02	4.02	3.92	4.12
Decachlorobiphenyl	8.06	8.06	8.06	8.06	8.06	8.06	7.96	8.16
delta-BHC	4.26	4.26	4.26	4.26	4.26	4.26	4.16	4.36
Dieldrin	5.50	5.50	5.50	5.50	5.50	5.50	5.40	5.60
Endosulfan I	5.24	5.24	5.24	5.24	5.24	5.24	5.14	5.34
Endosulfan II	6.07	6.07	6.07	6.07	6.07	6.07	5.97	6.17
Endosulfan sulfate	6.47	6.47	6.47	6.47	6.47	6.47	6.37	6.57
Endrin	5.78	5.78	5.78	5.78	5.78	5.78	5.68	5.88
Endrin aldehyde	6.25	6.25	6.25	6.25	6.25	6.25	6.15	6.35
Endrin ketone	6.98	6.98	6.98	6.98	6.98	6.98	6.88	7.08
gamma-BHC (Lindane)	3.72	3.72	3.72	3.72	3.72	3.72	3.62	3.82
gamma-Chlordane	5.12	5.12	5.12	5.12	5.12	5.12	5.02	5.22
Heptachlor	4.08	4.08	4.08	4.07	4.08	4.07	3.97	4.17
Heptachlor epoxide	4.86	4.87	4.86	4.86	4.86	4.86	4.76	4.96
Methoxychlor	6.75	6.75	6.75	6.74	6.75	6.74	6.64	6.84
Tetrachloro-m-xylene	2.87	2.88	2.88	2.87	2.87	2.87	2.77	2.97

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_D

Contract: AECO02
SDG NO.: Q3363
Calibration Date(s): 10/17/2025 10/17/2025
Calibration Times: 11:34 12:28

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

LAB FILE ID: **CF 100 =** PD090650.D **CF 075 =** PD090651.D
CF 050 = PD090652.D **CF 025 =** PD090653.D **CF 005 =** PD090654.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	4150980000	4075270000	4055470000	3840760000	4148570000	4054210000	3
4,4'-DDE	5435610000	5370750000	5317610000	5053060000	5456160000	5326640000	3
4,4'-DDT	4256810000	4152600000	4117930000	3927880000	4097130000	4110470000	3
Aldrin	6694230000	6562230000	6516940000	6238140000	6724820000	6547270000	3
alpha-BHC	7752530000	7402380000	7252210000	6743070000	6735520000	7177140000	6
alpha-Chlordane	5966070000	5905470000	5938650000	6170460000	6920630000	6180250000	7
beta-BHC	2515210000	2489310000	2540370000	2560620000	2992650000	2619630000	8
Decachlorobiphenyl	4361180000	4315270000	4506230000	4707060000	5500070000	4677960000	10
delta-BHC	7169260000	6905720000	6771510000	6342450000	6619680000	6761720000	5
Dieldrin	5929890000	5841940000	5818180000	5550330000	6016400000	5831350000	3
Endosulfan I	5452270000	5404490000	5449050000	5348660000	6028770000	5536650000	5
Endosulfan II	4873230000	4835950000	4885080000	4789750000	5615800000	4999960000	7
Endosulfan sulfate	4557060000	4504850000	4556170000	4479960000	5092920000	4638190000	6
Endrin	5035940000	4962910000	4938250000	4711180000	5120260000	4953710000	3
Endrin aldehyde	3505880000	3507960000	3571680000	3579710000	4148280000	3662700000	7
Endrin ketone	4819770000	4736510000	4782320000	4695250000	5260400000	4858850000	5
gamma-BHC (Lindane)	7185880000	6905860000	6799650000	6417980000	6684750000	6798820000	4
gamma-Chlordane	5972450000	5894040000	5855640000	5592670000	6341090000	5931180000	5
Heptachlor	5757910000	5597510000	5545540000	5288860000	5757970000	5589560000	3
Heptachlor epoxide	5795570000	5708170000	5718680000	5584980000	6137920000	5789060000	4
Methoxychlor	2050060000	2015340000	2078640000	2094570000	2389310000	2125590000	7
Tetrachloro-m-xylene	3010860000	2951180000	3030100000	3124300000	3454390000	3114160000	6

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_D

Contract: AECO02
SDG NO.: Q3363
Calibration Date(s): 10/17/2025 10/17/2025
Calibration Times: 11:34 12:28

GC Column: ZB-MR2 **ID:** 0.32 (mm)

LAB FILE ID: CF 100 = PD090650.D CF 075 = PD090651.D
CF 050 = PD090652.D CF 025 = PD090653.D CF 005 = PD090654.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	33708900000	34309400000	35560900000	36237500000	42373300000	36438000000	10
4,4'-DDE	40500800000	41191000000	42548600000	43577200000	51373700000	43838300000	10
4,4'-DDT	33888000000	33982600000	34868200000	34959100000	37667600000	35073100000	4
Aldrin	43083800000	43574800000	45033800000	46172400000	53729700000	46318900000	9
alpha-BHC	49118000000	48392000000	49683700000	50500300000	57784900000	51095800000	7
alpha-Chlordane	40004000000	40550200000	41893000000	42708900000	50532500000	43137700000	10
beta-BHC	18296700000	18365500000	19080800000	19804100000	23600800000	19829500000	11
Decachlorobiphenyl	28856800000	28247200000	29308000000	30057200000	34987600000	30291400000	9
delta-BHC	45324900000	45220200000	46466400000	47155800000	54416000000	47716700000	8
Dieldrin	40601100000	41425500000	43096200000	44203200000	51593900000	44184000000	10
Endosulfan I	35728600000	36586400000	38185700000	39478600000	46972400000	39390300000	11
Endosulfan II	34269700000	34968100000	36432200000	37520200000	44587200000	37555500000	11
Endosulfan sulfate	32963400000	33538900000	34960800000	35861000000	41900900000	35845000000	10
Endrin	36902000000	37827400000	39400900000	40693000000	47646500000	40494000000	11
Endrin aldehyde	25110900000	25739400000	26893100000	27767400000	32953200000	27692800000	11
Endrin ketone	34460000000	35020500000	36550700000	37816700000	44740900000	37717800000	11
gamma-BHC (Lindane)	44964800000	44604900000	45972800000	46808300000	53893500000	47248900000	8
gamma-Chlordane	41920800000	42422300000	43748100000	44346600000	52306700000	44948900000	9
Heptachlor	41272300000	41810600000	43239300000	44502900000	52189000000	44602800000	10
Heptachlor epoxide	38203400000	38891500000	40672900000	42374400000	53052500000	42639000000	14
Methoxychlor	16116900000	16316400000	17198900000	17735100000	19771700000	17427800000	8
Tetrachloro-m-xylene	27903400000	27689100000	28617400000	29726500000	34949400000	29777100000	10

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3363

Instrument ID: ECD_D **Date(s) Analyzed:** 10/17/2025 10/17/2025

GC Column: ZB-MR1 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Toxaphene	500	1	6.24	6.14	6.34	32564400
		2	6.44	6.34	6.54	48621800
		3	7.14	7.04	7.24	85710600
		4	7.56	7.46	7.66	95737400
		5	7.92	7.82	8.02	60480500

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3363

Instrument ID: ECD_D **Date(s) Analyzed:** 10/17/2025 10/17/2025

GC Column: ZB-MR2 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Toxaphene	500	1	5.47	5.37	5.57	263702000
		2	5.64	5.54	5.74	176560000
		3	6.75	6.65	6.85	658883000
		4	7.19	7.09	7.29	495104000
		5	7.32	7.22	7.42	246033000

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3363

Continuing Calib Date: 10/17/2025 **Initial Calibration Date(s):** 10/17/2025 10/17/2025

Continuing Calib Time: 20:18 **Initial Calibration Time(s):** 11:34 12:28

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.07	9.06	8.96	9.16	-0.01
Tetrachloro-m-xylene	3.54	3.55	3.45	3.65	0.01
alpha-BHC	3.99	3.99	3.89	4.09	0.00
beta-BHC	4.51	4.51	4.41	4.61	0.00
delta-BHC	4.76	4.76	4.66	4.86	0.00
gamma-BHC (Lindane)	4.32	4.33	4.23	4.43	0.01
Heptachlor	4.92	4.92	4.82	5.02	0.00
Aldrin	5.26	5.26	5.16	5.36	0.00
Heptachlor epoxide	5.69	5.68	5.58	5.78	0.00
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.34	6.34	6.24	6.44	0.00
4,4'-DDE	6.19	6.19	6.09	6.29	0.00
Endrin	6.57	6.57	6.47	6.67	0.00
Endosulfan II	6.78	6.78	6.68	6.88	0.00
4,4'-DDD	6.70	6.70	6.60	6.80	0.00
Endosulfan sulfate	7.15	7.15	7.05	7.25	0.01
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.49	7.49	7.39	7.59	0.00
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.91	6.91	6.81	7.01	0.00
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3363

Continuing Calib Date: 10/17/2025 **Initial Calibration Date(s):** 10/17/2025 10/17/2025

Continuing Calib Time: 20:18 **Initial Calibration Time(s):** 11:34 12:28

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.06	8.06	7.96	8.16	0.00
Tetrachloro-m-xylene	2.87	2.88	2.78	2.98	0.01
alpha-BHC	3.39	3.39	3.29	3.49	0.00
beta-BHC	4.02	4.02	3.92	4.12	0.00
delta-BHC	4.26	4.26	4.16	4.36	0.00
gamma-BHC (Lindane)	3.72	3.72	3.62	3.82	0.00
Heptachlor	4.08	4.08	3.98	4.18	0.01
Aldrin	4.36	4.36	4.26	4.46	0.00
Heptachlor epoxide	4.86	4.86	4.76	4.96	0.00
Endosulfan I	5.24	5.24	5.14	5.34	0.00
Dieldrin	5.50	5.50	5.40	5.60	0.00
4,4'-DDE	5.37	5.37	5.27	5.47	0.01
Endrin	5.78	5.78	5.68	5.88	0.00
Endosulfan II	6.07	6.07	5.97	6.17	0.00
4,4'-DDD	5.92	5.92	5.82	6.02	0.00
Endosulfan sulfate	6.47	6.47	6.37	6.57	0.00
4,4'-DDT	6.17	6.17	6.07	6.27	0.00
Methoxychlor	6.75	6.75	6.65	6.85	0.01
Endrin ketone	6.98	6.98	6.88	7.08	0.00
Endrin aldehyde	6.25	6.25	6.15	6.35	0.00
alpha-Chlordane	5.18	5.18	5.08	5.28	0.00
gamma-Chlordane	5.12	5.12	5.02	5.22	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3363

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No.: CCAL01 **Date Analyzed:** 10/17/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD090670.D **Time Analyzed:** 20:18

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.700	6.600	6.800	53.400	50.000	6.8
4,4'-DDE	6.191	6.090	6.290	53.210	50.000	6.4
4,4'-DDT	7.016	6.915	7.115	52.590	50.000	5.2
Aldrin	5.264	5.164	5.364	53.680	50.000	7.4
alpha-BHC	3.994	3.894	4.094	54.470	50.000	8.9
alpha-Chlordane	6.021	5.921	6.121	51.170	50.000	2.3
beta-BHC	4.512	4.412	4.612	51.910	50.000	3.8
Decachlorobiphenyl	9.066	8.964	9.164	51.560	50.000	3.1
delta-BHC	4.760	4.660	4.860	53.950	50.000	7.9
Dieldrin	6.341	6.240	6.440	53.290	50.000	6.6
Endosulfan I	6.068	5.968	6.168	52.600	50.000	5.2
Endosulfan II	6.781	6.681	6.881	53.170	50.000	6.3
Endosulfan sulfate	7.145	7.045	7.245	52.300	50.000	4.6
Endrin	6.568	6.468	6.668	53.340	50.000	6.7
Endrin aldehyde	6.910	6.810	7.010	52.750	50.000	5.5
Endrin ketone	7.625	7.525	7.725	52.370	50.000	4.7
gamma-BHC (Lindane)	4.324	4.225	4.425	53.930	50.000	7.9
gamma-Chlordane	5.940	5.840	6.040	52.910	50.000	5.8
Heptachlor	4.923	4.823	5.023	51.150	50.000	2.3
Heptachlor epoxide	5.685	5.584	5.784	53.260	50.000	6.5
Methoxychlor	7.489	7.388	7.588	50.870	50.000	1.7
Tetrachloro-m-xylene	3.544	3.445	3.645	51.790	50.000	3.6

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3363

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No.: CCAL01 **Date Analyzed:** 10/17/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD090670.D **Time Analyzed:** 20:18

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.921	5.821	6.021	52.390	50.000	4.8
4,4'-DDE	5.365	5.266	5.466	52.220	50.000	4.4
4,4'-DDT	6.174	6.074	6.274	54.440	50.000	8.9
Aldrin	4.360	4.261	4.461	52.220	50.000	4.4
alpha-BHC	3.386	3.287	3.487	52.250	50.000	4.5
alpha-Chlordane	5.181	5.081	5.281	52.420	50.000	4.8
beta-BHC	4.018	3.919	4.119	51.770	50.000	3.5
Decachlorobiphenyl	8.062	7.962	8.162	53.450	50.000	6.9
delta-BHC	4.255	4.155	4.355	52.490	50.000	5.0
Dieldrin	5.503	5.404	5.604	52.550	50.000	5.1
Endosulfan I	5.238	5.138	5.338	52.240	50.000	4.5
Endosulfan II	6.072	5.972	6.172	52.390	50.000	4.8
Endosulfan sulfate	6.473	6.374	6.574	52.790	50.000	5.6
Endrin	5.780	5.681	5.881	52.830	50.000	5.7
Endrin aldehyde	6.250	6.150	6.350	53.080	50.000	6.2
Endrin ketone	6.983	6.883	7.083	52.900	50.000	5.8
gamma-BHC (Lindane)	3.722	3.623	3.823	52.320	50.000	4.6
gamma-Chlordane	5.116	5.017	5.217	52.450	50.000	4.9
Heptachlor	4.075	3.975	4.175	52.480	50.000	5.0
Heptachlor epoxide	4.863	4.764	4.964	51.240	50.000	2.5
Methoxychlor	6.745	6.645	6.845	53.840	50.000	7.7
Tetrachloro-m-xylene	2.874	2.775	2.975	51.420	50.000	2.8

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3363

Continuing Calib Date: 10/18/2025 **Initial Calibration Date(s):** 10/17/2025 10/17/2025

Continuing Calib Time: 02:13 **Initial Calibration Time(s):** 11:34 12:28

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.06	9.06	8.96	9.16	0.00
Tetrachloro-m-xylene	3.54	3.55	3.45	3.65	0.01
alpha-BHC	3.99	3.99	3.89	4.09	0.00
beta-BHC	4.51	4.51	4.41	4.61	0.00
delta-BHC	4.76	4.76	4.66	4.86	0.00
gamma-BHC (Lindane)	4.32	4.33	4.23	4.43	0.01
Heptachlor	4.92	4.92	4.82	5.02	0.00
Aldrin	5.26	5.26	5.16	5.36	0.00
Heptachlor epoxide	5.68	5.68	5.58	5.78	0.00
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.34	6.34	6.24	6.44	0.00
4,4'-DDE	6.19	6.19	6.09	6.29	0.00
Endrin	6.57	6.57	6.47	6.67	0.00
Endosulfan II	6.78	6.78	6.68	6.88	0.00
4,4'-DDD	6.70	6.70	6.60	6.80	0.00
Endosulfan sulfate	7.14	7.15	7.05	7.25	0.01
4,4'-DDT	7.02	7.02	6.92	7.12	0.01
Methoxychlor	7.49	7.49	7.39	7.59	0.00
Endrin ketone	7.62	7.63	7.53	7.73	0.01
Endrin aldehyde	6.91	6.91	6.81	7.01	0.00
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3363

Continuing Calib Date: 10/18/2025 **Initial Calibration Date(s):** 10/17/2025 10/17/2025

Continuing Calib Time: 02:13 **Initial Calibration Time(s):** 11:34 12:28

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.06	8.06	7.96	8.16	0.00
Tetrachloro-m-xylene	2.87	2.88	2.78	2.98	0.01
alpha-BHC	3.39	3.39	3.29	3.49	0.00
beta-BHC	4.02	4.02	3.92	4.12	0.00
delta-BHC	4.25	4.26	4.16	4.36	0.01
gamma-BHC (Lindane)	3.72	3.72	3.62	3.82	0.00
Heptachlor	4.07	4.08	3.98	4.18	0.01
Aldrin	4.36	4.36	4.26	4.46	0.00
Heptachlor epoxide	4.86	4.86	4.76	4.96	0.00
Endosulfan I	5.24	5.24	5.14	5.34	0.00
Dieldrin	5.50	5.50	5.40	5.60	0.00
4,4'-DDE	5.37	5.37	5.27	5.47	0.00
Endrin	5.78	5.78	5.68	5.88	0.00
Endosulfan II	6.07	6.07	5.97	6.17	0.00
4,4'-DDD	5.92	5.92	5.82	6.02	0.00
Endosulfan sulfate	6.47	6.47	6.37	6.57	0.00
4,4'-DDT	6.17	6.17	6.07	6.27	0.00
Methoxychlor	6.75	6.75	6.65	6.85	0.01
Endrin ketone	6.98	6.98	6.88	7.08	0.00
Endrin aldehyde	6.25	6.25	6.15	6.35	0.00
alpha-Chlordane	5.18	5.18	5.08	5.28	0.00
gamma-Chlordane	5.12	5.12	5.02	5.22	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3363

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No.: CCAL02 **Date Analyzed:** 10/18/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD090688.D **Time Analyzed:** 02:13

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.699	6.600	6.800	53.090	50.000	6.2
4,4'-DDE	6.189	6.090	6.290	52.010	50.000	4.0
4,4'-DDT	7.015	6.915	7.115	54.040	50.000	8.1
Aldrin	5.264	5.164	5.364	53.520	50.000	7.0
alpha-BHC	3.993	3.894	4.094	54.690	50.000	9.4
alpha-Chlordane	6.020	5.921	6.121	51.580	50.000	3.2
beta-BHC	4.511	4.412	4.612	51.940	50.000	3.9
Decachlorobiphenyl	9.064	8.964	9.164	47.910	50.000	-4.2
delta-BHC	4.759	4.660	4.860	54.270	50.000	8.5
Dieldrin	6.340	6.240	6.440	52.930	50.000	5.9
Endosulfan I	6.067	5.968	6.168	52.190	50.000	4.4
Endosulfan II	6.781	6.681	6.881	52.290	50.000	4.6
Endosulfan sulfate	7.144	7.045	7.245	49.960	50.000	-0.1
Endrin	6.568	6.468	6.668	52.810	50.000	5.6
Endrin aldehyde	6.909	6.810	7.010	52.080	50.000	4.2
Endrin ketone	7.624	7.525	7.725	49.990	50.000	0.0
gamma-BHC (Lindane)	4.324	4.225	4.425	54.150	50.000	8.3
gamma-Chlordane	5.939	5.840	6.040	52.490	50.000	5.0
Heptachlor	4.922	4.823	5.023	53.990	50.000	8.0
Heptachlor epoxide	5.684	5.584	5.784	53.100	50.000	6.2
Methoxychlor	7.488	7.388	7.588	51.500	50.000	3.0
Tetrachloro-m-xylene	3.544	3.445	3.645	52.290	50.000	4.6

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3363

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No.: CCAL02 **Date Analyzed:** 10/18/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD090688.D **Time Analyzed:** 02:13

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.920	5.821	6.021	50.750	50.000	1.5
4,4'-DDE	5.366	5.266	5.466	51.070	50.000	2.1
4,4'-DDT	6.174	6.074	6.274	54.490	50.000	9.0
Aldrin	4.360	4.261	4.461	51.420	50.000	2.8
alpha-BHC	3.386	3.287	3.487	51.750	50.000	3.5
alpha-Chlordane	5.181	5.081	5.281	50.910	50.000	1.8
beta-BHC	4.018	3.919	4.119	50.520	50.000	1.0
Decachlorobiphenyl	8.061	7.962	8.162	44.850	50.000	-10.3
delta-BHC	4.254	4.155	4.355	51.790	50.000	3.6
Dieldrin	5.504	5.404	5.604	51.270	50.000	2.5
Endosulfan I	5.238	5.138	5.338	49.630	50.000	-0.7
Endosulfan II	6.071	5.972	6.172	50.880	50.000	1.8
Endosulfan sulfate	6.473	6.374	6.574	49.300	50.000	-1.4
Endrin	5.780	5.681	5.881	52.570	50.000	5.1
Endrin aldehyde	6.250	6.150	6.350	51.130	50.000	2.3
Endrin ketone	6.982	6.883	7.083	48.210	50.000	-3.6
gamma-BHC (Lindane)	3.722	3.623	3.823	51.710	50.000	3.4
gamma-Chlordane	5.116	5.017	5.217	51.230	50.000	2.5
Heptachlor	4.074	3.975	4.175	51.800	50.000	3.6
Heptachlor epoxide	4.863	4.764	4.964	50.240	50.000	0.5
Methoxychlor	6.745	6.645	6.845	52.120	50.000	4.2
Tetrachloro-m-xylene	2.874	2.775	2.975	51.130	50.000	2.3

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PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3363

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No. (PEM): PEM - PD090648.D **Date Analyzed:** 10/17/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 11:07

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.066	8.970	9.170	22.860	20.000	14.3
Tetrachloro-m-xylene	3.544	3.490	3.590	21.710	20.000	8.6
alpha-BHC	3.994	3.940	4.040	9.050	10.000	-9.5
beta-BHC	4.512	4.460	4.560	10.070	10.000	0.7
gamma-BHC (Lindane)	4.324	4.270	4.370	9.330	10.000	-6.7
Endrin	6.568	6.500	6.640	49.200	50.000	-1.6
4,4'-DDT	7.016	6.950	7.090	100.270	100.000	0.3
Methoxychlor	7.489	7.420	7.560	236.810	250.000	-5.3

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No. (PEM): PEM - PD090648.D **Date Analyzed:** 10/17/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 11:07

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.062	7.960	8.160	21.400	20.000	7.0
Tetrachloro-m-xylene	2.875	2.820	2.930	21.220	20.000	6.1
alpha-BHC	3.386	3.340	3.440	10.300	10.000	3.0
beta-BHC	4.019	3.970	4.070	10.460	10.000	4.6
gamma-BHC (Lindane)	3.723	3.670	3.770	10.340	10.000	3.4
Endrin	5.781	5.710	5.850	47.940	50.000	-4.1
4,4'-DDT	6.174	6.100	6.240	95.670	100.000	-4.3
Methoxychlor	6.745	6.670	6.820	201.830	250.000	-19.3

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PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3363

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No. (PEM): PEM - PD090669.D **Date Analyzed:** 10/17/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 20:04

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.065	8.960	9.170	23.950	20.000	19.8
Tetrachloro-m-xylene	3.544	3.490	3.590	22.660	20.000	13.3
alpha-BHC	3.993	3.940	4.040	9.630	10.000	-3.7
beta-BHC	4.512	4.460	4.560	10.740	10.000	7.4
gamma-BHC (Lindane)	4.324	4.270	4.370	9.940	10.000	-0.6
Endrin	6.568	6.500	6.640	52.910	50.000	5.8
4,4'-DDT	7.016	6.950	7.090	103.900	100.000	3.9
Methoxychlor	7.489	7.420	7.560	242.540	250.000	-3.0

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No. (PEM): PEM - PD090669.D **Date Analyzed:** 10/17/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 20:04

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.061	7.960	8.160	24.170	20.000	20.9
Tetrachloro-m-xylene	2.874	2.820	2.920	22.460	20.000	12.3
alpha-BHC	3.386	3.340	3.440	10.980	10.000	9.8
beta-BHC	4.019	3.970	4.070	11.300	10.000	13.0
gamma-BHC (Lindane)	3.723	3.670	3.770	11.120	10.000	11.2
Endrin	5.781	5.710	5.850	53.090	50.000	6.2
4,4'-DDT	6.175	6.100	6.250	107.030	100.000	7.0
Methoxychlor	6.746	6.680	6.820	223.020	250.000	-10.8

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Analytical Sequence

Client: AECOM **SDG No.:** Q3363

Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 6069 **Instrument ID:** ECD_D

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 10/17/2025 10/17/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	10/17/2025	10:53	PD090647.D	9.07	3.55
PEM	PEM	10/17/2025	11:07	PD090648.D	9.07	3.54
RESCHK	RESCHK	10/17/2025	11:20	PD090649.D	9.07	3.54
PSTDICC100	PSTDICC100	10/17/2025	11:34	PD090650.D	9.07	3.54
PSTDICC075	PSTDICC075	10/17/2025	11:48	PD090651.D	9.07	3.55
PSTDICC050	PSTDICC050	10/17/2025	12:01	PD090652.D	9.06	3.55
PSTDICC025	PSTDICC025	10/17/2025	12:15	PD090653.D	9.07	3.54
PSTDICC005	PSTDICC005	10/17/2025	12:28	PD090654.D	9.07	3.54
PCHLORICC500	PCHLORICC500	10/17/2025	13:09	PD090657.D	9.07	3.55
PTOXICC500	PTOXICC500	10/17/2025	14:17	PD090662.D	9.07	3.55
I.BLK	I.BLK	10/17/2025	19:50	PD090668.D	9.07	3.54
PEM	PEM	10/17/2025	20:04	PD090669.D	9.07	3.54
PSTDCCC050	PSTDCCC050	10/17/2025	20:18	PD090670.D	9.07	3.54
PB170142BL	PB170142BL	10/17/2025	20:31	PD090671.D	9.07	3.54
PB170142BS	PB170142BS	10/17/2025	20:45	PD090672.D	9.07	3.54
PR132-SO1-085011-20251015	Q3363-01	10/17/2025	22:48	PD090678.D	9.07	3.54
PR132-SO1-039085-20251015	Q3363-02	10/17/2025	23:02	PD090679.D	9.07	3.54
PR132-SO3-028010-20251015	Q3363-03	10/17/2025	23:15	PD090680.D	9.07	3.54
PR132-SO3-010013-20251015	Q3363-04	10/17/2025	23:29	PD090681.D	9.07	3.54
PR132-SO3-010013-20251015MS	Q3363-04MS	10/17/2025	23:43	PD090682.D	9.07	3.54
PR132-SO3-010013-20251015MSD	Q3363-04MSD	10/17/2025	23:56	PD090683.D	9.07	3.54
COMP01-20251015	Q3363-05	10/18/2025	00:10	PD090684.D	9.07	3.54
I.BLK	I.BLK	10/18/2025	00:51	PD090687.D	9.07	3.54
PSTDCCC050	PSTDCCC050	10/18/2025	02:13	PD090688.D	9.06	3.54

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Analytical Sequence

Client: AECOM **SDG No.:** Q3363

Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 6069 **Instrument ID:** ECD_D

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 10/17/2025 10/17/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	10/17/2025	10:53	PD090647.D	8.06	2.88
PEM	PEM	10/17/2025	11:07	PD090648.D	8.06	2.88
RESCHK	RESCHK	10/17/2025	11:20	PD090649.D	8.06	2.87
PSTDICC100	PSTDICC100	10/17/2025	11:34	PD090650.D	8.06	2.87
PSTDICC075	PSTDICC075	10/17/2025	11:48	PD090651.D	8.06	2.88
PSTDICC050	PSTDICC050	10/17/2025	12:01	PD090652.D	8.06	2.88
PSTDICC025	PSTDICC025	10/17/2025	12:15	PD090653.D	8.06	2.87
PSTDICC005	PSTDICC005	10/17/2025	12:28	PD090654.D	8.06	2.87
PCHLORICC500	PCHLORICC500	10/17/2025	13:09	PD090657.D	8.06	2.87
PTOXICC500	PTOXICC500	10/17/2025	14:17	PD090662.D	8.06	2.88
I.BLK	I.BLK	10/17/2025	19:50	PD090668.D	8.06	2.87
PEM	PEM	10/17/2025	20:04	PD090669.D	8.06	2.87
PSTDCCC050	PSTDCCC050	10/17/2025	20:18	PD090670.D	8.06	2.87
PB170142BL	PB170142BL	10/17/2025	20:31	PD090671.D	8.06	2.87
PB170142BS	PB170142BS	10/17/2025	20:45	PD090672.D	8.06	2.87
PR132-SO1-085011-20251015	Q3363-01	10/17/2025	22:48	PD090678.D	8.06	2.87
PR132-SO1-039085-20251015	Q3363-02	10/17/2025	23:02	PD090679.D	8.06	2.87
PR132-SO3-028010-20251015	Q3363-03	10/17/2025	23:15	PD090680.D	8.06	2.87
PR132-SO3-010013-20251015	Q3363-04	10/17/2025	23:29	PD090681.D	8.06	2.88
PR132-SO3-010013-20251015MS	Q3363-04MS	10/17/2025	23:43	PD090682.D	8.06	2.88
PR132-SO3-010013-20251015MSD	Q3363-04MSD	10/17/2025	23:56	PD090683.D	8.06	2.88
COMP01-20251015	Q3363-05	10/18/2025	00:10	PD090684.D	8.06	2.87
I.BLK	I.BLK	10/18/2025	00:51	PD090687.D	8.06	2.87
PSTDCCC050	PSTDCCC050	10/18/2025	02:13	PD090688.D	8.06	2.87

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB170142BS

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3363

Lab Sample ID: PB170142BS **Date(s) Analyzed:** 10/17/2025 10/17/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDD	1	6.70	6.65	6.75	15.6	1.3
	2	5.92	5.87	5.97	15.8	
4,4'-DDE	1	6.19	6.14	6.24	15.5	1.3
	2	5.37	5.32	5.42	15.7	
4,4'-DDT	1	7.02	6.97	7.07	15.4	5.1
	2	6.17	6.12	6.22	16.2	
alpha-BHC	1	3.99	3.94	4.04	15.4	0.6
	2	3.39	3.34	3.44	15.5	
Aldrin	1	5.26	5.21	5.31	15.6	0.6
	2	4.36	4.31	4.41	15.7	
alpha-Chlordane	1	6.02	5.97	6.07	16.0	1.9
	2	5.18	5.13	5.23	15.7	
Endosulfan II	1	6.78	6.73	6.83	15.6	1.3
	2	6.07	6.02	6.12	15.8	
Endosulfan sulfate	1	7.15	7.10	7.20	15.4	3.2
	2	6.47	6.42	6.52	15.9	
beta-BHC	1	4.51	4.46	4.56	15.0	3.3
	2	4.02	3.97	4.07	15.5	
delta-BHC	1	4.76	4.71	4.81	15.4	1.3
	2	4.26	4.21	4.31	15.6	
Endosulfan I	1	6.07	6.02	6.12	15.5	1.9
	2	5.24	5.19	5.29	15.8	
Dieldrin	1	6.34	6.29	6.39	15.6	1.3
	2	5.50	5.45	5.55	15.8	
Endrin aldehyde	1	6.91	6.86	6.96	15.4	2.6
	2	6.25	6.20	6.30	15.8	
Methoxychlor	1	7.49	7.44	7.54	15.0	5.8
	2	6.75	6.70	6.80	15.9	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB170142BS

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3363

Lab Sample ID: PB170142BS **Date(s) Analyzed:** 10/17/2025 10/17/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endrin ketone	1	7.63	7.58	7.68	15.5	2.5
	2	6.98	6.93	7.03	15.9	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	15.4	1.3
	2	3.72	3.67	3.77	15.6	
Heptachlor	1	4.92	4.87	4.97	14.7	6.6
	2	4.07	4.02	4.12	15.7	
Heptachlor epoxide	1	5.68	5.63	5.73	15.6	0
	2	4.86	4.81	4.91	15.6	
gamma-Chlordane	1	5.94	5.89	5.99	15.4	1.9
	2	5.12	5.07	5.17	15.7	
Endrin	1	6.57	6.52	6.62	15.7	1.9
	2	5.78	5.73	5.83	16.0	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PR132-SO1-039085-20251015

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3363

Lab Sample ID: Q3363-02 **Date(s) Analyzed:** 10/17/2025 10/17/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDD	1	6.70	6.65	6.75	5.70	37.5
	2	5.92	5.87	5.97	3.90	
Endosulfan sulfate	1	7.13	7.08	7.18	0.38	47.9
	2	6.47	6.42	6.52	0.62	
alpha-Chlordane	1	6.02	5.97	6.07	0.49	3.5
	2	5.18	5.13	5.23	0.51	
4,4'-DDE	1	6.19	6.14	6.24	9.70	45.6
	2	5.37	5.32	5.42	6.10	
Endrin	1	6.57	6.52	6.62	1.40	120.5
	2	5.78	5.73	5.83	0.35	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PR132-SO3-010013-20251015MS

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3363

Lab Sample ID: Q3363-04MS **Date(s) Analyzed:** 10/17/2025 10/17/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endosulfan II	1	6.78	6.73	6.83	26.8	10.6
	2	6.07	6.02	6.12	24.1	
4,4'-DDD	1	6.70	6.65	6.75	27.0	20
	2	5.92	5.87	5.97	22.1	
4,4'-DDT	1	7.02	6.97	7.07	27.1	12.5
	2	6.17	6.12	6.22	23.9	
Endrin aldehyde	1	6.91	6.86	6.96	27.0	13.4
	2	6.25	6.20	6.30	23.6	
Endosulfan sulfate	1	7.14	7.09	7.19	26.3	11.7
	2	6.47	6.42	6.52	23.4	
Methoxychlor	1	7.49	7.44	7.54	26.9	13.1
	2	6.75	6.70	6.80	23.6	
Endrin ketone	1	7.63	7.58	7.68	26.8	21
	2	6.98	6.93	7.03	21.7	
alpha-BHC	1	3.99	3.94	4.04	29.0	12.1
	2	3.39	3.34	3.44	25.7	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	28.5	11.1
	2	3.72	3.67	3.77	25.5	
Heptachlor	1	4.92	4.87	4.97	27.7	5.2
	2	4.07	4.02	4.12	26.3	
Aldrin	1	5.26	5.21	5.31	28.9	13.7
	2	4.36	4.31	4.41	25.2	
beta-BHC	1	4.51	4.46	4.56	24.9	0.8
	2	4.02	3.97	4.07	24.7	
delta-BHC	1	4.76	4.71	4.81	29.0	12.5
	2	4.26	4.21	4.31	25.6	
Heptachlor epoxide	1	5.68	5.63	5.73	28.0	8.2
	2	4.86	4.81	4.91	25.8	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PR132-SO3-010013-20251015MS

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3363

Lab Sample ID: Q3363-04MS **Date(s) Analyzed:** 10/17/2025 10/17/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endosulfan I	1	6.07	6.02	6.12	27.5	20.4
	2	5.24	5.19	5.29	22.4	
gamma-Chlordane	1	5.94	5.89	5.99	27.1	4.1
	2	5.12	5.07	5.17	26.0	
alpha-Chlordane	1	6.02	5.97	6.07	26.6	5.4
	2	5.18	5.13	5.23	25.2	
4,4'-DDE	1	6.19	6.14	6.24	25.3	9.1
	2	5.37	5.32	5.42	23.1	
Dieldrin	1	6.34	6.29	6.39	27.1	6.9
	2	5.50	5.45	5.55	25.3	
Endrin	1	6.57	6.52	6.62	27.8	12.6
	2	5.78	5.73	5.83	24.5	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO. PR132-SO3-010013-20251015MS

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3363

Lab Sample ID: Q3363-04MSD **Date(s) Analyzed:** 10/17/2025 10/17/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endosulfan II	1	6.78	6.73	6.83	28.0	13.7
	2	6.07	6.02	6.12	24.4	
4,4'-DDD	1	6.70	6.65	6.75	28.4	23.6
	2	5.92	5.87	5.97	22.4	
4,4'-DDT	1	7.02	6.97	7.07	28.2	14.9
	2	6.17	6.12	6.22	24.3	
Endrin aldehyde	1	6.91	6.86	6.96	28.2	16.1
	2	6.25	6.20	6.30	24.0	
Endosulfan sulfate	1	7.15	7.10	7.20	27.5	15.7
	2	6.47	6.42	6.52	23.5	
Methoxychlor	1	7.49	7.44	7.54	27.7	13.5
	2	6.75	6.70	6.80	24.2	
Endrin ketone	1	7.63	7.58	7.68	28.4	26.7
	2	6.98	6.93	7.03	21.7	
alpha-BHC	1	3.99	3.94	4.04	30.2	14.9
	2	3.39	3.34	3.44	26.0	
gamma-BHC (Lindane)	1	4.32	4.27	4.37	29.6	14.1
	2	3.72	3.67	3.77	25.7	
Heptachlor	1	4.92	4.87	4.97	28.7	7.2
	2	4.08	4.03	4.13	26.7	
Aldrin	1	5.26	5.21	5.31	29.8	14.8
	2	4.36	4.31	4.41	25.7	
beta-BHC	1	4.51	4.46	4.56	25.8	3.1
	2	4.02	3.97	4.07	25.0	
delta-BHC	1	4.76	4.71	4.81	30.0	15.1
	2	4.26	4.21	4.31	25.8	
Heptachlor epoxide	1	5.68	5.63	5.73	29.0	12.5
	2	4.86	4.81	4.91	25.6	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PR132-SO3-010013-20251015MS

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3363

Lab Sample ID: Q3363-04MSD **Date(s) Analyzed:** 10/17/2025 10/17/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endosulfan I	1	6.07	6.02	6.12	28.8	23.3
	2	5.24	5.19	5.29	22.8	
gamma-Chlordane	1	5.94	5.89	5.99	28.3	6.9
	2	5.12	5.07	5.17	26.4	
alpha-Chlordane	1	6.02	5.97	6.07	27.6	7.9
	2	5.18	5.13	5.23	25.5	
4,4'-DDE	1	6.19	6.14	6.24	26.6	12.4
	2	5.37	5.32	5.42	23.5	
Dieldrin	1	6.34	6.29	6.39	28.3	8.9
	2	5.50	5.45	5.55	25.9	
Endrin	1	6.57	6.52	6.62	29.1	15.6
	2	5.78	5.73	5.83	24.9	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PR132-SO3-028010-20251015

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3363

Lab Sample ID: Q3363-03 **Date(s) Analyzed:** 10/17/2025 10/17/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDD	1	6.70	6.65	6.75	6.80	10.9
	2	5.92	5.87	5.97	6.10	
gamma-Chlordane	1	5.94	5.89	5.99	0.38	104.5
	2	5.12	5.07	5.17	1.20	
alpha-Chlordane	1	6.02	5.97	6.07	0.59	8.6
	2	5.18	5.13	5.23	0.54	
4,4'-DDE	1	6.19	6.14	6.24	4.40	28.6
	2	5.36	5.31	5.41	3.30	
Dieldrin	1	6.34	6.29	6.39	0.36	89.4
	2	5.50	5.45	5.55	0.95	
Endrin	1	6.57	6.52	6.62	0.47	45.7
	2	5.78	5.73	5.83	0.30	

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LAB CHRONICLE

OrderID:	Q3363	**OrderDate:**	10/16/2025 10:56:42 AM
Client:	AECOM	**Project:**	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60697095.171206
Contact:	Rob Forstner	**Location:**	DOCK/OOR Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3363-01	**PR132-SO1-085011-20251015**	**SOIL**			**10/15/25**			**10/15/25**
			PCB	8082A		10/17/25	10/17/25	
			Pesticide-TCL	8081B		10/17/25	10/17/25	
Q3363-02	**PR132-SO1-039085-20251015**	**SOIL**			**10/15/25**			**10/15/25**
			PCB	8082A		10/17/25	10/17/25	
			Pesticide-TCL	8081B		10/17/25	10/17/25	
Q3363-03	**PR132-SO3-028010-20251015**	**SOIL**			**10/15/25**			**10/15/25**
			PCB	8082A		10/17/25	10/17/25	
			Pesticide-TCL	8081B		10/17/25	10/17/25	
Q3363-04	**PR132-SO3-010013-20251015**	**SOIL**			**10/15/25**			**10/15/25**
			PCB	8082A		10/17/25	10/17/25	
			Pesticide-TCL	8081B		10/17/25	10/17/25	
Q3363-05	**COMP01-20251015**	**SOIL**			**10/15/25**			**10/15/25**
			PCB	8082A		10/17/25	10/17/25	
			Pesticide-TCL	8081B		10/17/25	10/18/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3363 **Order ID:** Q3363

Client: AECOM **Project ID:** AE1-CTY 3.2.Z-PR-DOCK-Des-ODC

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : PR132-SO1-039085-20251015								
Q3363-02	PR132-SO1-039085-2	SOIL	Aroclor-1242	161		7.10	30.0	ug/kg
Q3363-02	PR132-SO1-039085-2	SOIL	Aroclor-1254	109		5.70	30.0	ug/kg
			Total Concentration:	**270.000**				
Client ID : PR132-SO3-028010-20251015								
Q3363-03	PR132-SO3-028010-2	SOIL	Aroclor-1242	66.4		7.30	30.9	ug/kg
Q3363-03	PR132-SO3-028010-2	SOIL	Aroclor-1254	30.3	J	5.80	30.9	ug/kg
			Total Concentration:	**96.700**				

SAMPLE DATA

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Report of Analysis

Client:	AECOM	Date Collected:	10/15/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	PR132-SO1-085011-20251015	SDG No.:	Q3363
Lab Sample ID:	Q3363-01	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	50.1
Sample Wt/Vol:	30.06 g Final Vol: 10000 uL	Test:	PCB
Prep Method:	SW3541B Prep Date 10/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	33.9	U	1	7.90	33.9	ug/kg	10/17/25 13:04	PB170141
11104-28-2	Aroclor-1221	33.9	U	1	8.00	33.9	ug/kg	10/17/25 13:04	PB170141
11141-16-5	Aroclor-1232	33.9	U	1	7.40	33.9	ug/kg	10/17/25 13:04	PB170141
53469-21-9	Aroclor-1242	33.9	U	1	8.00	33.9	ug/kg	10/17/25 13:04	PB170141
12672-29-6	Aroclor-1248	33.9	U	1	11.8	33.9	ug/kg	10/17/25 13:04	PB170141
11097-69-1	Aroclor-1254	33.9	U	1	6.40	33.9	ug/kg	10/17/25 13:04	PB170141
37324-23-5	Aroclor-1262	33.9	U	1	10.0	33.9	ug/kg	10/17/25 13:04	PB170141
11100-14-4	Aroclor-1268	33.9	U	1	7.20	33.9	ug/kg	10/17/25 13:04	PB170141
11096-82-5	Aroclor-1260	33.9	U	1	6.40	33.9	ug/kg	10/17/25 13:04	PB170141
SURROGATES									
877-09-8	Tetrachloro-m-xylene	23.7			32 - 144	119%	SPK: 20		
2051-24-3	Decachlorobiphenyl	20.1			32 - 175	101%	SPK: 20		

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	AECOM	Date Collected:	10/15/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	PR132-SO1-039085-20251015	SDG No.:	Q3363
Lab Sample ID:	Q3363-02	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	56.6
Sample Wt/Vol:	30.04 g Final Vol: 10000 uL	Test:	PCB
Prep Method:	SW3541B Prep Date 10/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	30.0	U	1	7.00	30.0	ug/kg	10/17/25 19:33	PB170141
11104-28-2	Aroclor-1221	30.0	U	1	7.10	30.0	ug/kg	10/17/25 19:33	PB170141
11141-16-5	Aroclor-1232	30.0	U	1	6.60	30.0	ug/kg	10/17/25 19:33	PB170141
53469-21-9	Aroclor-1242	161		1	7.10	30.0	ug/kg	10/17/25 19:33	PB170141
12672-29-6	Aroclor-1248	30.0	U	1	10.4	30.0	ug/kg	10/17/25 19:33	PB170141
11097-69-1	Aroclor-1254	109		1	5.70	30.0	ug/kg	10/17/25 19:33	PB170141
37324-23-5	Aroclor-1262	30.0	U	1	8.90	30.0	ug/kg	10/17/25 19:33	PB170141
11100-14-4	Aroclor-1268	30.0	U	1	6.40	30.0	ug/kg	10/17/25 19:33	PB170141
11096-82-5	Aroclor-1260	30.0	U	1	5.70	30.0	ug/kg	10/17/25 19:33	PB170141
SURROGATES									
877-09-8	Tetrachloro-m-xylene	22.9			32 - 144	114%	SPK: 20		
2051-24-3	Decachlorobiphenyl	11.1			32 - 175	56%	SPK: 20		

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
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P = Indicates >25% difference for detected concentrations between the two GC columns
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() = Laboratory InHouse Limit

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Report of Analysis

Client:	AECOM	Date Collected:	10/15/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	PR132-SO3-028010-20251015	SDG No.:	Q3363
Lab Sample ID:	Q3363-03	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	54.8
Sample Wt/Vol:	30.08 g Final Vol: 10000 uL	Test:	PCB
Prep Method:	SW3541B Prep Date 10/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	30.9	U	1	7.20	30.9	ug/kg	10/17/25 13:41	PB170141
11104-28-2	Aroclor-1221	30.9	U	1	7.30	30.9	ug/kg	10/17/25 13:41	PB170141
11141-16-5	Aroclor-1232	30.9	U	1	6.80	30.9	ug/kg	10/17/25 13:41	PB170141
53469-21-9	Aroclor-1242	66.4		1	7.30	30.9	ug/kg	10/17/25 13:41	PB170141
12672-29-6	Aroclor-1248	30.9	U	1	10.8	30.9	ug/kg	10/17/25 13:41	PB170141
11097-69-1	Aroclor-1254	30.3	J	1	5.80	30.9	ug/kg	10/17/25 13:41	PB170141
37324-23-5	Aroclor-1262	30.9	U	1	9.10	30.9	ug/kg	10/17/25 13:41	PB170141
11100-14-4	Aroclor-1268	30.9	U	1	6.60	30.9	ug/kg	10/17/25 13:41	PB170141
11096-82-5	Aroclor-1260	30.9	U	1	5.90	30.9	ug/kg	10/17/25 13:41	PB170141
SURROGATES									
877-09-8	Tetrachloro-m-xylene	19.5			32 - 144	98%	SPK: 20		
2051-24-3	Decachlorobiphenyl	16.4			32 - 175	82%	SPK: 20		

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
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Report of Analysis

Client:	AECOM	Date Collected:	10/15/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	PR132-SO3-010013-20251015	SDG No.:	Q3363
Lab Sample ID:	Q3363-04	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	51.5
Sample Wt/Vol:	30.03 g Final Vol: 10000 uL	Test:	PCB
Prep Method:	SW3541B Prep Date 10/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	33.0	U	1	7.70	33.0	ug/kg	10/17/25 12:26	PB170141
11104-28-2	Aroclor-1221	33.0	U	1	7.80	33.0	ug/kg	10/17/25 12:26	PB170141
11141-16-5	Aroclor-1232	33.0	U	1	7.20	33.0	ug/kg	10/17/25 12:26	PB170141
53469-21-9	Aroclor-1242	33.0	U	1	7.80	33.0	ug/kg	10/17/25 12:26	PB170141
12672-29-6	Aroclor-1248	33.0	U	1	11.5	33.0	ug/kg	10/17/25 12:26	PB170141
11097-69-1	Aroclor-1254	33.0	U	1	6.20	33.0	ug/kg	10/17/25 12:26	PB170141
37324-23-5	Aroclor-1262	33.0	U	1	9.70	33.0	ug/kg	10/17/25 12:26	PB170141
11100-14-4	Aroclor-1268	33.0	U	1	7.00	33.0	ug/kg	10/17/25 12:26	PB170141
11096-82-5	Aroclor-1260	33.0	U	1	6.30	33.0	ug/kg	10/17/25 12:26	PB170141
SURROGATES									
877-09-8	Tetrachloro-m-xylene	22.2			32 - 144	111%	SPK: 20		
2051-24-3	Decachlorobiphenyl	15.4			32 - 175	77%	SPK: 20		

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
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Report of Analysis

Client:	AECOM	Date Collected:	10/15/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	COMP01-20251015	SDG No.:	Q3363
Lab Sample ID:	Q3363-05	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	55.4
Sample Wt/Vol:	30.05 g Final Vol: 10000 uL	Test:	PCB
Prep Method:	SW3541B Prep Date 10/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	30.6	U	1	7.10	30.6	ug/kg	10/17/25 12:42	PB170141
11104-28-2	Aroclor-1221	30.6	U	1	7.30	30.6	ug/kg	10/17/25 12:42	PB170141
11141-16-5	Aroclor-1232	30.6	U	1	6.70	30.6	ug/kg	10/17/25 12:42	PB170141
53469-21-9	Aroclor-1242	30.6	U	1	7.20	30.6	ug/kg	10/17/25 12:42	PB170141
12672-29-6	Aroclor-1248	30.6	U	1	10.7	30.6	ug/kg	10/17/25 12:42	PB170141
11097-69-1	Aroclor-1254	30.6	U	1	5.80	30.6	ug/kg	10/17/25 12:42	PB170141
37324-23-5	Aroclor-1262	30.6	U	1	9.00	30.6	ug/kg	10/17/25 12:42	PB170141
11100-14-4	Aroclor-1268	30.6	U	1	6.50	30.6	ug/kg	10/17/25 12:42	PB170141
11096-82-5	Aroclor-1260	30.6	U	1	5.80	30.6	ug/kg	10/17/25 12:42	PB170141
SURROGATES									
877-09-8	Tetrachloro-m-xylene	21.8			32 - 144	109%	SPK: 20		
2051-24-3	Decachlorobiphenyl	11.5			32 - 175	58%	SPK: 20		

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QC SUMMARY

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Surrogate Summary

SDG No.: Q3363

Client: AECOM

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%) Low	Limits(%) High
I.BLK-PO114312.D	PIBLK-PO114312.D	Tetrachloro-m-xyl	1	20	18.6	93		60	140
		Decachlorobiphen	1	20	19.2	96		60	140
		Tetrachloro-m-xyl	2	20	18.9	94		60	140
		Decachlorobiphen	2	20	19.0	95		60	140
I.BLK-PO114452.D	PIBLK-PO114452.D	Tetrachloro-m-xyl	1	20	21.7	108		60	140
		Decachlorobiphen	1	20	20.5	103		60	140
		Tetrachloro-m-xyl	2	20	21.2	106		60	140
		Decachlorobiphen	2	20	20.1	101		60	140
PB170141BL	PB170141BL	Tetrachloro-m-xyl	1	20	23.9	119		32	144
		Decachlorobiphen	1	20	22.4	112		32	175
		Tetrachloro-m-xyl	2	20	23.0	115		32	144
		Decachlorobiphen	2	20	21.5	108		32	175
PB170141BS	PB170141BS	Tetrachloro-m-xyl	1	20	24.6	123		32	144
		Decachlorobiphen	1	20	23.4	117		32	175
		Tetrachloro-m-xyl	2	20	22.5	112		32	144
		Decachlorobiphen	2	20	22.5	113		32	175
Q3363-01	PR132-SO1-085011-20251015	Tetrachloro-m-xyl	1	20	21.2	106		32	144
		Decachlorobiphen	1	20	20.1	101		32	175
		Tetrachloro-m-xyl	2	20	23.7	119		32	144
		Decachlorobiphen	2	20	18.9	94		32	175
Q3363-03	PR132-SO3-028010-20251015	Tetrachloro-m-xyl	1	20	18.8	94		32	144
		Decachlorobiphen	1	20	16.4	82		32	175
		Tetrachloro-m-xyl	2	20	19.5	98		32	144
		Decachlorobiphen	2	20	15.2	76		32	175
Q3369-01MS	MH-22MS	Tetrachloro-m-xyl	1	20	20.8	104		32	144
		Decachlorobiphen	1	20	16.4	82		32	175
		Tetrachloro-m-xyl	2	20	20.7	104		32	144
		Decachlorobiphen	2	20	14.9	74		32	175
Q3369-01MSD	MH-22MSD	Tetrachloro-m-xyl	1	20	20.0	100		32	144
		Decachlorobiphen	1	20	16.4	82		32	175
		Tetrachloro-m-xyl	2	20	19.5	97		32	144
		Decachlorobiphen	2	20	14.3	71		32	175
I.BLK-PO114465.D	PIBLK-PO114465.D	Tetrachloro-m-xyl	1	20	21.8	109		60	140
		Decachlorobiphen	1	20	20.6	103		60	140
		Tetrachloro-m-xyl	2	20	21.8	109		60	140
		Decachlorobiphen	2	20	19.5	97		60	140
I.BLK-PP075246.D	PIBLK-PP075246.D	Tetrachloro-m-xyl	1	20	19.9	100		60	140
		Decachlorobiphen	1	20	19.4	97		60	140
		Tetrachloro-m-xyl	2	20	17.9	90		60	140
		Decachlorobiphen	2	20	20.0	100		60	140
I.BLK-PP075839.D	PIBLK-PP075839.D	Tetrachloro-m-xyl	1	20	21.9	109		60	140

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Surrogate Summary

SDG No.: Q3363

Client: AECOM

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%) Low	Limits(%) High
I.BLK-PP075839.D	PIBLK-PP075839.D	Decachlorobiphen	1	20	20.4	102		60	140
		Tetrachloro-m-xyl	2	20	19.0	95		60	140
		Decachlorobiphen	2	20	21.4	107		60	140
Q3363-04	PR132-SO3-010013-20251015	Tetrachloro-m-xyl	1	20	18.9	95		32	144
		Decachlorobiphen	1	20	14.9	74		32	175
		Tetrachloro-m-xyl	2	20	22.2	111		32	144
		Decachlorobiphen	2	20	15.4	77		32	175
Q3363-05	COMP01-20251015	Tetrachloro-m-xyl	1	20	20.9	104		32	144
		Decachlorobiphen	1	20	11.4	57		32	175
		Tetrachloro-m-xyl	2	20	21.8	109		32	144
		Decachlorobiphen	2	20	11.5	58		32	175
I.BLK-PP075854.D	PIBLK-PP075854.D	Tetrachloro-m-xyl	1	20	21.3	107		60	140
		Decachlorobiphen	1	20	19.1	96		60	140
		Tetrachloro-m-xyl	2	20	18.5	93		60	140
		Decachlorobiphen	2	20	20.1	100		60	140
Q3363-02	PR132-SO1-039085-20251015	Tetrachloro-m-xyl	1	20	13.2	66		32	144
		Decachlorobiphen	1	20	11.1	56		32	175
		Tetrachloro-m-xyl	2	20	22.9	114		32	144
		Decachlorobiphen	2	20	9.25	46		32	175
I.BLK-PP075866.D	PIBLK-PP075866.D	Tetrachloro-m-xyl	1	20	20.9	105		60	140
		Decachlorobiphen	1	20	18.9	95		60	140
		Tetrachloro-m-xyl	2	20	18.1	91		60	140
		Decachlorobiphen	2	20	17.9	90		60	140

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3363 **Analytical Method:** 8082A

Client: AECOM **DataFile :** PO114459.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: **Q3369-01MS (Column 1)**	**Client Sample ID:**		**MH-22MS**								
AR1016	186.5	0	165	ug/kg	88				55	146	
AR1260	186.5	0	160	ug/kg	86				54	119	
Lab Sample ID: **Q3369-01MS (Column 2)**	**Client Sample ID:**		**MH-22MS**								
AR1016	186.5	0	177	ug/kg	95				55	146	
AR1260	186.5	0	157	ug/kg	84				54	119	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3363 **Analytical Method:** 8082A

Client: AECOM **DataFile :** PO114460.D

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID:	**Q3369-01MSD (Column 1)**	**Client Sample ID:**		**MH-22MSD**								
	AR1016	186.7	0	153	ug/kg	82		7		55	146	15
	AR1260	186.7	0	156	ug/kg	84		2		54	119	15
Lab Sample ID:	**Q3369-01MSD (Column 2)**	**Client Sample ID:**		**MH-22MSD**								
	AR1016	186.7	0	171	ug/kg	92		3		55	146	15
	AR1260	186.7	0	149	ug/kg	80		5		54	119	15

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3363 **Analytical Method:** 8082A

Client: AECOM **Datafile :** PO114454.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB170141BS (Column 1)	AR1016	166.6	165	ug/kg	99				71	120	
	AR1260	166.6	153	ug/kg	92				65	130	
PB170141BS (Column 2)	AR1016	166.6	167	ug/kg	100				71	120	
	AR1260	166.6	169	ug/kg	101				65	130	

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4C

PESTICIDE METHOD BLANK SUMMARY

Client ID: PB170141BL

Lab Name: Alliance | Contract: AECO02

Lab Code: ACE | SDG NO.: Q3363

Lab Sample ID: PB170141BL | Lab File ID: PO114453.D

Matrix: (soil/water) Solid | Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N | Date Extracted: 10/17/2025

Date Analyzed (1): 10/17/2025 | Date Analyzed (2): 10/17/2025

Time Analyzed (1): 12:29 | Time Analyzed (2): 12:29

Instrument ID (1): ECD_O | Instrument ID (2): ECD_O

GC Column (1): ZB-MR1 ID: 0.32 (mm) | GC Column (2): ZB-MR2 ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
PB170141BS	PB170141BS	PO114454.D	10/17/2025	10/17/2025
PR132-SO1-085011-20251015	Q3363-01	PO114455.D	10/17/2025	10/17/2025
PR132-SO3-028010-20251015	Q3363-03	PO114457.D	10/17/2025	10/17/2025
MH-22MS	Q3369-01MS	PO114459.D	10/17/2025	10/17/2025
MH-22MSD	Q3369-01MSD	PO114460.D	10/17/2025	10/17/2025
PR132-SO3-010013-20251015	Q3363-04	PP075840.D	10/17/2025	10/17/2025
COMP01-20251015	Q3363-05	PP075841.D	10/17/2025	10/17/2025
PR132-SO1-039085-20251015	Q3363-02	PP075861.D	10/17/2025	10/17/2025

COMMENTS:

CALIBRATION SUMMARY

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RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_O
Contract: AECO02
SDG NO.: Q3363
Calibration Date(s): 10/09/2025 10/09/2025
Calibration Times: 14:14 22:29

GC Column: ZB-MR1 ID: 0.32 (mm)

LAB FILE ID: RT 1000 = PO114313.D RT 750 = PO114314.D
RT 500 = PO114315.D RT 250 = PO114316.D RT 050 = PO114317.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	5.49	5.49	5.49	5.49	5.49	5.49	5.39	5.59
Aroclor-1016-2	(2)	5.51	5.51	5.51	5.51	5.51	5.51	5.41	5.61
Aroclor-1016-3	(3)	5.58	5.58	5.58	5.58	5.58	5.58	5.48	5.68
Aroclor-1016-4	(4)	5.67	5.67	5.67	5.67	5.67	5.67	5.57	5.77
Aroclor-1016-5	(5)	5.96	5.96	5.96	5.96	5.96	5.96	5.86	6.06
Aroclor-1260-1	(1)	7.08	7.08	7.08	7.08	7.07	7.08	6.98	7.18
Aroclor-1260-2	(2)	7.33	7.33	7.33	7.33	7.33	7.33	7.23	7.43
Aroclor-1260-3	(3)	7.69	7.69	7.69	7.69	7.69	7.69	7.59	7.79
Aroclor-1260-4	(4)	7.91	7.91	7.91	7.91	7.91	7.91	7.81	8.01
Aroclor-1260-5	(5)	8.21	8.21	8.21	8.21	8.21	8.21	8.11	8.31
Decachlorobiphenyl		9.93	9.93	9.93	9.93	9.93	9.93	9.83	10.03
Tetrachloro-m-xylene		4.36	4.36	4.36	4.36	4.36	4.36	4.26	4.46
Aroclor-1242-1	(1)	5.49	5.49	5.49	5.49	5.49	5.49	5.39	5.59
Aroclor-1242-2	(2)	5.51	5.51	5.52	5.51	5.51	5.51	5.41	5.61
Aroclor-1242-3	(3)	5.58	5.58	5.58	5.58	5.58	5.58	5.48	5.68
Aroclor-1242-4	(4)	5.67	5.67	5.67	5.67	5.67	5.67	5.57	5.77
Aroclor-1242-5	(5)	6.40	6.40	6.40	6.40	6.40	6.40	6.30	6.50
Decachlorobiphenyl		9.93	9.93	9.93	9.93	9.93	9.93	9.83	10.03
Tetrachloro-m-xylene		4.36	4.36	4.36	4.36	4.36	4.36	4.26	4.46
Aroclor-1248-1	(1)	5.49	5.49	5.49	5.49	5.49	5.49	5.39	5.59
Aroclor-1248-2	(2)	5.76	5.76	5.76	5.76	5.76	5.76	5.66	5.86
Aroclor-1248-3	(3)	5.96	5.96	5.96	5.96	5.96	5.96	5.86	6.06
Aroclor-1248-4	(4)	6.36	6.36	6.36	6.36	6.36	6.36	6.26	6.46
Aroclor-1248-5	(5)	6.40	6.40	6.40	6.40	6.40	6.40	6.30	6.50
Decachlorobiphenyl		9.93	9.93	9.93	9.93	9.93	9.93	9.83	10.03
Tetrachloro-m-xylene		4.36	4.36	4.36	4.36	4.36	4.36	4.26	4.46
Aroclor-1254-1	(1)	6.34	6.34	6.33	6.34	6.34	6.34	6.24	6.44
Aroclor-1254-2	(2)	6.55	6.55	6.55	6.55	6.55	6.55	6.45	6.65
Aroclor-1254-3	(3)	6.91	6.91	6.91	6.91	6.91	6.91	6.81	7.01
Aroclor-1254-4	(4)	7.19	7.19	7.19	7.19	7.19	7.19	7.09	7.29
Aroclor-1254-5	(5)	7.61	7.61	7.61	7.61	7.61	7.61	7.51	7.71
Decachlorobiphenyl		9.93	9.93	9.93	9.93	9.93	9.93	9.83	10.03
Tetrachloro-m-xylene		4.36	4.36	4.36	4.36	4.36	4.36	4.26	4.46
Aroclor-1268-1	(1)	8.51	8.51	8.51	8.51	8.51	8.51	8.41	8.61
Aroclor-1268-2	(2)	8.60	8.60	8.60	8.60	8.60	8.60	8.50	8.70
Aroclor-1268-3	(3)	8.82	8.82	8.82	8.82	8.82	8.82	8.72	8.92
Aroclor-1268-4	(4)	9.22	9.22	9.22	9.22	9.22	9.22	9.12	9.32
Aroclor-1268-5	(5)	9.61	9.61	9.61	9.61	9.61	9.61	9.51	9.71

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	9.93	9.93	9.93	9.93	9.93	9.93	9.83	10.03
Tetrachloro-m-xylene	4.36	4.36	4.36	4.36	4.36	4.36	4.26	4.46

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RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3363

Instrument ID: ECD_O **Calibration Date(s):** 10/09/2025 10/09/2025

Calibration Times: 14:14 22:29

GC Column: ZB-MR2 ID: 0.32 (mm)

LAB FILE ID: RT 1000 = PO114313.D RT 750 = PO114314.D

RT 500 = PO114315.D RT 250 = PO114316.D RT 050 = PO114317.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	4.74	4.74	4.74	4.74	4.74	4.74	4.64	4.84
Aroclor-1016-2	(2)	4.76	4.76	4.76	4.76	4.76	4.76	4.66	4.86
Aroclor-1016-3	(3)	4.94	4.94	4.94	4.94	4.94	4.94	4.84	5.04
Aroclor-1016-4	(4)	4.98	4.98	4.98	4.98	4.98	4.98	4.88	5.08
Aroclor-1016-5	(5)	5.19	5.19	5.19	5.19	5.19	5.19	5.09	5.29
Aroclor-1260-1	(1)	6.23	6.23	6.23	6.23	6.23	6.23	6.13	6.33
Aroclor-1260-2	(2)	6.41	6.41	6.41	6.41	6.41	6.41	6.31	6.51
Aroclor-1260-3	(3)	6.57	6.57	6.57	6.57	6.57	6.57	6.47	6.67
Aroclor-1260-4	(4)	7.04	7.04	7.04	7.04	7.04	7.04	6.94	7.14
Aroclor-1260-5	(5)	7.28	7.28	7.28	7.28	7.28	7.28	7.18	7.38
Decachlorobiphenyl		8.67	8.67	8.67	8.67	8.67	8.67	8.57	8.77
Tetrachloro-m-xylene		3.66	3.66	3.66	3.66	3.66	3.66	3.56	3.76
Aroclor-1242-1	(1)	4.74	4.74	4.74	4.74	4.74	4.74	4.64	4.84
Aroclor-1242-2	(2)	4.76	4.76	4.76	4.76	4.76	4.76	4.66	4.86
Aroclor-1242-3	(3)	4.94	4.94	4.94	4.94	4.94	4.94	4.84	5.04
Aroclor-1242-4	(4)	5.02	5.02	5.02	5.02	5.02	5.02	4.92	5.12
Aroclor-1242-5	(5)	5.54	5.54	5.54	5.54	5.54	5.54	5.44	5.64
Decachlorobiphenyl		8.67	8.67	8.67	8.67	8.67	8.67	8.57	8.77
Tetrachloro-m-xylene		3.66	3.66	3.66	3.66	3.66	3.66	3.56	3.76
Aroclor-1248-1	(1)	4.74	4.74	4.74	4.74	4.74	4.74	4.64	4.84
Aroclor-1248-2	(2)	4.98	4.98	4.98	4.98	4.98	4.98	4.88	5.08
Aroclor-1248-3	(3)	5.02	5.02	5.02	5.02	5.02	5.02	4.92	5.12
Aroclor-1248-4	(4)	5.19	5.19	5.19	5.19	5.19	5.19	5.09	5.29
Aroclor-1248-5	(5)	5.58	5.58	5.58	5.58	5.58	5.58	5.48	5.68
Decachlorobiphenyl		8.67	8.67	8.67	8.67	8.67	8.67	8.57	8.77
Tetrachloro-m-xylene		3.66	3.66	3.66	3.66	3.66	3.66	3.56	3.76
Aroclor-1254-1	(1)	5.54	5.54	5.54	5.54	5.54	5.54	5.44	5.64
Aroclor-1254-2	(2)	5.69	5.69	5.69	5.69	5.69	5.69	5.59	5.79
Aroclor-1254-3	(3)	6.09	6.09	6.09	6.09	6.09	6.09	5.99	6.19
Aroclor-1254-4	(4)	6.32	6.32	6.32	6.32	6.32	6.32	6.22	6.42
Aroclor-1254-5	(5)	6.74	6.74	6.74	6.74	6.74	6.74	6.64	6.84
Decachlorobiphenyl		8.67	8.67	8.67	8.67	8.67	8.67	8.57	8.77
Tetrachloro-m-xylene		3.66	3.66	3.66	3.66	3.66	3.66	3.56	3.76
Aroclor-1268-1	(1)	7.56	7.56	7.56	7.56	7.56	7.56	7.46	7.66
Aroclor-1268-2	(2)	7.63	7.63	7.63	7.63	7.63	7.63	7.53	7.73
Aroclor-1268-3	(3)	7.84	7.84	7.84	7.84	7.84	7.84	7.74	7.94
Aroclor-1268-4	(4)	8.12	8.12	8.12	8.12	8.12	8.12	8.02	8.22
Aroclor-1268-5	(5)	8.41	8.41	8.41	8.41	8.41	8.41	8.31	8.51

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.67	8.67	8.67	8.67	8.67	8.67	8.57	8.77
Tetrachloro-m-xylene	3.66	3.66	3.66	3.66	3.66	3.66	3.56	3.76

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_O

Contract: AECO02
SDG NO.: Q3363
Calibration Date(s): 10/09/2025 10/09/2025
Calibration Times: 14:14 22:29

GC Column: ZB-MR1 **ID:** 0.32 (mm)

LAB FILE ID: CF 1000 = PO114313.D CF 750 = PO114314.D
CF 500 = PO114315.D CF 250 = PO114316.D CF 050 = PO114317.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	174192886	179895124	183856868	183322864	180520760	180357700	2
Aroclor-1016-2	(2)	293939915	305561101	305220730	315140900	301624180	304297365	3
Aroclor-1016-3	(3)	165633600	172668037	174260432	182505220	189193940	176852246	5
Aroclor-1016-4	(4)	134425999	138097755	140122574	142368188	132758060	137554515	3
Aroclor-1016-5	(5)	123446822	127769624	128908938	130194584	121008000	126265594	3
Aroclor-1260-1	(1)	213791672	221280347	222839010	218586200	213158120	217931070	2
Aroclor-1260-2	(2)	302622462	312056085	309594538	307167896	311081240	308504444	1
Aroclor-1260-3	(3)	259467311	268042008	265717042	260457100	228668800	256470452	6
Aroclor-1260-4	(4)	230199629	235131995	233767838	232769056	232729060	232919516	1
Aroclor-1260-5	(5)	586428065	605840996	593634282	581137220	533761820	580160477	5
Decachlorobiphenyl		3664039320	3792684880	3728036680	3664938040	3355866400	3641113064	5
Tetrachloro-m-xylene		5506498360	5677498373	5642459220	5552412920	4766000200	5428973815	7
Aroclor-1242-1	(1)	126706434	132179268	135020258	135246300	128666340	131563720	3
Aroclor-1242-2	(2)	212392946	219812959	222351800	226444372	216757700	219551955	2
Aroclor-1242-3	(3)	119144042	124121997	125717214	131545340	116119900	123329699	5
Aroclor-1242-4	(4)	99737299	101870191	102531118	105496736	103337180	102594505	2
Aroclor-1242-5	(5)	103047071	106230547	111781010	123521904	134589100	115833926	11
Decachlorobiphenyl		3803036960	3909619067	3861003240	3833959680	3524921000	3786507989	4
Tetrachloro-m-xylene		5804343740	5928892613	5893981820	5915994040	5454317000	5799505843	3
Aroclor-1248-1	(1)	98567829	102136305	106179528	101725532	83182260	98358291	9
Aroclor-1248-2	(2)	137892609	142528752	146526406	145313792	145562060	143564724	2
Aroclor-1248-3	(3)	151681692	159333787	163420432	159028692	160593320	158811585	3
Aroclor-1248-4	(4)	182190012	190636973	195926736	195051484	215146120	195790265	6
Aroclor-1248-5	(5)	174543681	183607891	190759426	202813192	249246460	200194130	15
Decachlorobiphenyl		3816291730	3937073800	3957474960	3763925080	3735520600	3842057234	3
Tetrachloro-m-xylene		5779379270	6044791093	6117390360	5832290520	5648377200	5884445689	3
Aroclor-1254-1	(1)	171902953	180224452	182326136	179059532	158754700	174453555	6
Aroclor-1254-2	(2)	248603985	257164111	266428592	263066468	238270000	254706631	4
Aroclor-1254-3	(3)	278966197	288101712	293337044	293741552	290556100	288940521	2
Aroclor-1254-4	(4)	232417367	241793461	248310406	242500032	218210100	236646273	5
Aroclor-1254-5	(5)	221022379	230048296	231810568	224607672	189890120	219475807	8
Decachlorobiphenyl		3792373920	3896541893	3936938560	3860958960	3451332800	3787629227	5
Tetrachloro-m-xylene		5822824890	5988302693	6053484060	5960886280	5298842000	5824867985	5
Aroclor-1268-1	(1)	742630944	763047828	755049378	744463164	658875500	732813363	6

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	632443459	650139448	640918178	630546628	553465960	621502735	6
Aroclor-1268-3	(3)	576556870	593571136	586459800	580217260	523967180	572154449	5
Aroclor-1268-4	(4)	239235256	248654241	247759484	273329844	226227580	247041281	7
Aroclor-1268-5	(5)	1713485078	1761561424	1737860666	1722182616	1634161480	1713850253	3
Decachlorobiphenyl		7124253780	7355062013	7282856320	7142144040	6358111400	7052485511	6
Tetrachloro-m-xylene		6131677880	6338649440	6321767300	6220727560	5845855000	6171735436	3

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_O

Contract: AECO02
SDG NO.: Q3363
Calibration Date(s): 10/09/2025 10/09/2025
Calibration Times: 14:14 22:29

GC Column: ZB-MR2 **ID:** 0.32 (mm)

LAB FILE ID: CF 1000 = PO114313.D CF 750 = PO114314.D
CF 500 = PO114315.D CF 250 = PO114316.D CF 050 = PO114317.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	158257841	168187716	172362186	178585052	164529320	168384423	5
Aroclor-1016-2	(2)	229568804	240612359	245734900	252904664	241358100	242035765	4
Aroclor-1016-3	(3)	119655603	124240307	128221016	131086968	117564320	124153643	5
Aroclor-1016-4	(4)	92316708	96506141	100242646	102698056	90863720	96525454	5
Aroclor-1016-5	(5)	119349433	124629577	128669076	134240076	132389300	127855492	5
Aroclor-1260-1	(1)	215558470	231498535	235626690	245673392	249059400	235483297	6
Aroclor-1260-2	(2)	315603721	330098711	337167224	350489224	338584660	334388708	4
Aroclor-1260-3	(3)	256430713	268520155	278444642	296438324	374872640	294941295	16
Aroclor-1260-4	(4)	211317075	223266731	226148960	232910768	220902880	222909283	4
Aroclor-1260-5	(5)	594775480	624015233	623481606	632255524	590282220	612962013	3
Decachlorobiphenyl		3170001190	3348740240	3399801360	3490868680	3256491400	3333180574	4
Tetrachloro-m-xylene		3928229090	4070663293	4096822280	4116538520	3799017800	4002254197	3
Aroclor-1242-1	(1)	122498620	129064381	131010080	137236660	133254420	130612832	4
Aroclor-1242-2	(2)	175860987	183257420	186752992	191657052	196407220	186787134	4
Aroclor-1242-3	(3)	92492282	96111452	98072652	99600996	92244160	95704308	3
Aroclor-1242-4	(4)	86300671	89905741	92299888	94852936	98359060	92343659	5
Aroclor-1242-5	(5)	113144641	119163080	122745918	127985400	129764100	122560628	6
Decachlorobiphenyl		3517109590	3681723480	3757541820	3835681800	3777005200	3713812378	3
Tetrachloro-m-xylene		4432077070	4412224160	4379772960	4471865640	4248743200	4388936606	2
Aroclor-1248-1	(1)	94570009	99404269	103594360	101758388	93150140	98495433	5
Aroclor-1248-2	(2)	125502158	133300196	137663402	137604864	136198920	134053908	4
Aroclor-1248-3	(3)	130740348	139010419	143306254	142181184	142470360	139541713	4
Aroclor-1248-4	(4)	154697640	163551519	169016486	167510084	167044800	164364106	4
Aroclor-1248-5	(5)	159814127	168355577	173516216	171305900	174900140	169578392	4
Decachlorobiphenyl		3661201490	3833278560	3951800380	3911090520	3937109200	3858896030	3
Tetrachloro-m-xylene		4430508460	4634013587	4677547100	4537709360	4261034200	4508162541	4
Aroclor-1254-1	(1)	247222467	259048601	270361008	279309448	272529160	265694137	5
Aroclor-1254-2	(2)	219192417	228941475	239248508	249551080	254226320	238231960	6
Aroclor-1254-3	(3)	340127494	353950264	366242670	368614488	343101920	354407367	4
Aroclor-1254-4	(4)	246402938	256874435	266498340	267498992	253508600	258156661	3
Aroclor-1254-5	(5)	309302184	322642697	332806976	330987116	305278780	320203551	4
Decachlorobiphenyl		3673134130	3816212200	3925129200	3949127480	3714385800	3815597762	3
Tetrachloro-m-xylene		4426752370	4520704027	4624441060	4560126680	4117729800	4449950787	4
Aroclor-1268-1	(1)	790806319	820672996	823414120	829776224	826084500	818150832	2

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	668389064	693704507	696355354	697040636	678270940	686752100	2
Aroclor-1268-3	(3)	577681654	598471028	600065844	598539168	577278220	590407183	2
Aroclor-1268-4	(4)	233329938	243075305	244332122	245097676	230283080	239223624	3
Aroclor-1268-5	(5)	1599907631	1653346000	1653968404	1645996908	1596574960	1629958781	2
Decachlorobiphenyl		6770675710	7072875573	7158178740	7244610400	7053861200	7060040325	3
Tetrachloro-m-xylene		4643395640	4793601640	4792629120	4749683120	4526037200	4701069344	2

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3363

Instrument ID: ECD_O **Date(s) Analyzed:** 10/09/2025 10/09/2025

GC Column: ZB-MR1 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Aroclor-1221	500	1	4.56	4.46	4.66	65029800
		2	4.64	4.54	4.74	45851400
		3	4.71	4.61	4.81	150477000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.71	4.61	4.81	122061000
		2	5.23	5.13	5.33	54066000
		3	5.52	5.42	5.62	121355000
		4	5.67	5.57	5.77	54031600
		5	5.76	5.66	5.86	37348800
Aroclor-1262	500	1	7.69	7.59	7.79	365212000
		2	8.21	8.11	8.31	604682000
		3	8.52	8.42	8.62	365448000
		4	8.60	8.50	8.70	263614000
		5	9.22	9.12	9.32	214854000

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3363

Instrument ID: ECD_O **Date(s) Analyzed:** 10/09/2025 10/09/2025

GC Column: ZB-MR2 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Aroclor-1221	500	1	3.87	3.77	3.97	54832000
		2	3.96	3.86	4.06	40465400
		3	4.03	3.93	4.13	128449000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.03	3.93	4.13	104652000
		2	4.76	4.66	4.86	102880000
		3	4.94	4.84	5.04	51237200
		4	5.02	4.92	5.12	43634600
		5	5.19	5.09	5.29	48052000
Aroclor-1262	500	1	6.78	6.68	6.88	425654000
		2	7.28	7.18	7.38	673478000
		3	7.56	7.46	7.66	276888000
		4	7.63	7.53	7.73	456530000
		5	8.12	8.02	8.22	210780000

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RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3363

Instrument ID: ECD_P **Calibration Date(s):** 09/23/2025 09/23/2025

Calibration Times: 08:45 17:14

GC Column: ZB-MR1 ID: 0.32 (mm)

LAB FILE ID: RT 1000 = PP075247.D RT 750 = PP075248.D

RT 500 = PP075249.D RT 250 = PP075250.D RT 050 = PP075251.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	5.81	5.81	5.81	5.81	5.82	5.81	5.71	5.91
Aroclor-1016-2	(2)	5.83	5.83	5.83	5.83	5.84	5.83	5.73	5.93
Aroclor-1016-3	(3)	5.89	5.90	5.89	5.89	5.90	5.89	5.79	5.99
Aroclor-1016-4	(4)	5.99	5.99	5.99	5.99	6.00	5.99	5.89	6.09
Aroclor-1016-5	(5)	6.28	6.29	6.28	6.28	6.29	6.28	6.18	6.38
Aroclor-1260-1	(1)	7.40	7.40	7.40	7.40	7.41	7.40	7.30	7.50
Aroclor-1260-2	(2)	7.65	7.66	7.65	7.65	7.66	7.65	7.55	7.75
Aroclor-1260-3	(3)	8.01	8.01	8.01	8.01	8.02	8.01	7.91	8.11
Aroclor-1260-4	(4)	8.24	8.24	8.24	8.24	8.25	8.24	8.14	8.34
Aroclor-1260-5	(5)	8.56	8.57	8.56	8.56	8.57	8.57	8.47	8.67
Decachlorobiphenyl		10.43	10.44	10.43	10.43	10.45	10.44	10.34	10.54
Tetrachloro-m-xylene		4.65	4.66	4.66	4.66	4.66	4.66	4.56	4.76
Aroclor-1242-1	(1)	5.81	5.81	5.81	5.81	5.81	5.81	5.71	5.91
Aroclor-1242-2	(2)	5.83	5.83	5.83	5.83	5.83	5.83	5.73	5.93
Aroclor-1242-3	(3)	5.90	5.89	5.90	5.90	5.90	5.90	5.80	6.00
Aroclor-1242-4	(4)	5.99	5.99	5.99	5.99	5.99	5.99	5.89	6.09
Aroclor-1242-5	(5)	6.72	6.72	6.72	6.72	6.72	6.72	6.62	6.82
Decachlorobiphenyl		10.44	10.44	10.44	10.44	10.44	10.44	10.34	10.54
Tetrachloro-m-xylene		4.66	4.66	4.66	4.66	4.66	4.66	4.56	4.76
Aroclor-1248-1	(1)	5.81	5.81	5.81	5.81	5.81	5.81	5.71	5.91
Aroclor-1248-2	(2)	6.08	6.08	6.08	6.08	6.08	6.08	5.98	6.18
Aroclor-1248-3	(3)	6.28	6.28	6.29	6.28	6.28	6.28	6.18	6.38
Aroclor-1248-4	(4)	6.68	6.68	6.68	6.68	6.68	6.68	6.58	6.78
Aroclor-1248-5	(5)	6.72	6.72	6.72	6.72	6.72	6.72	6.62	6.82
Decachlorobiphenyl		10.43	10.44	10.44	10.44	10.44	10.44	10.34	10.54
Tetrachloro-m-xylene		4.66	4.66	4.66	4.66	4.66	4.66	4.56	4.76
Aroclor-1254-1	(1)	6.66	6.66	6.66	6.66	6.66	6.66	6.56	6.76
Aroclor-1254-2	(2)	6.88	6.87	6.88	6.88	6.87	6.87	6.77	6.97
Aroclor-1254-3	(3)	7.24	7.24	7.24	7.24	7.23	7.24	7.14	7.34
Aroclor-1254-4	(4)	7.52	7.52	7.52	7.52	7.52	7.52	7.42	7.62
Aroclor-1254-5	(5)	7.94	7.93	7.94	7.94	7.93	7.93	7.83	8.03
Decachlorobiphenyl		10.44	10.44	10.44	10.44	10.43	10.44	10.34	10.54
Tetrachloro-m-xylene		4.66	4.66	4.66	4.66	4.66	4.66	4.56	4.76
Aroclor-1268-1	(1)	8.89	8.89	8.89	8.89	8.89	8.89	8.79	8.99
Aroclor-1268-2	(2)	8.99	8.99	8.99	8.98	8.98	8.99	8.89	9.09
Aroclor-1268-3	(3)	9.23	9.23	9.23	9.23	9.22	9.23	9.13	9.33
Aroclor-1268-4	(4)	9.66	9.66	9.66	9.65	9.65	9.65	9.55	9.75
Aroclor-1268-5	(5)	10.09	10.09	10.09	10.09	10.08	10.09	9.99	10.19

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	10.44	10.44	10.44	10.44	10.44	10.44	10.34	10.54
Tetrachloro-m-xylene	4.66	4.66	4.66	4.66	4.66	4.66	4.56	4.76

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RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3363

Instrument ID: ECD_P **Calibration Date(s):** 09/23/2025 09/23/2025

Calibration Times: 08:45 17:14

GC Column: ZB-MR2 ID: 0.32 (mm)

LAB FILE ID: RT 1000 = PP075247.D RT 750 = PP075248.D

RT 500 = PP075249.D RT 250 = PP075250.D RT 050 = PP075251.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	4.90	4.89	4.89	4.89	4.90	4.90	4.80	5.00
Aroclor-1016-2	(2)	4.95	4.95	4.95	4.95	4.95	4.95	4.85	5.05
Aroclor-1016-3	(3)	5.07	5.07	5.07	5.07	5.07	5.07	4.97	5.17
Aroclor-1016-4	(4)	5.11	5.11	5.11	5.11	5.12	5.11	5.01	5.21
Aroclor-1016-5	(5)	5.33	5.33	5.33	5.33	5.33	5.33	5.23	5.43
Aroclor-1260-1	(1)	6.36	6.36	6.36	6.35	6.36	6.36	6.26	6.46
Aroclor-1260-2	(2)	6.54	6.54	6.54	6.54	6.55	6.54	6.44	6.64
Aroclor-1260-3	(3)	6.70	6.70	6.70	6.70	6.70	6.70	6.60	6.80
Aroclor-1260-4	(4)	7.17	7.17	7.17	7.16	7.17	7.17	7.07	7.27
Aroclor-1260-5	(5)	7.41	7.40	7.40	7.40	7.41	7.41	7.31	7.51
Decachlorobiphenyl		8.81	8.80	8.80	8.80	8.81	8.81	8.71	8.91
Tetrachloro-m-xylene		3.80	3.80	3.80	3.80	3.80	3.80	3.70	3.90
Aroclor-1242-1	(1)	4.90	4.90	4.90	4.89	4.89	4.90	4.80	5.00
Aroclor-1242-2	(2)	4.95	4.96	4.95	4.95	4.95	4.95	4.85	5.05
Aroclor-1242-3	(3)	5.07	5.07	5.07	5.07	5.08	5.07	4.97	5.17
Aroclor-1242-4	(4)	5.16	5.16	5.16	5.15	5.16	5.16	5.06	5.26
Aroclor-1242-5	(5)	5.68	5.68	5.68	5.68	5.68	5.68	5.58	5.78
Decachlorobiphenyl		8.81	8.81	8.81	8.81	8.80	8.81	8.71	8.91
Tetrachloro-m-xylene		3.80	3.80	3.80	3.80	3.80	3.80	3.70	3.90
Aroclor-1248-1	(1)	4.89	4.90	4.89	4.90	4.90	4.90	4.80	5.00
Aroclor-1248-2	(2)	5.11	5.12	5.11	5.12	5.11	5.11	5.01	5.21
Aroclor-1248-3	(3)	5.15	5.16	5.15	5.16	5.15	5.16	5.06	5.26
Aroclor-1248-4	(4)	5.33	5.33	5.33	5.33	5.33	5.33	5.23	5.43
Aroclor-1248-5	(5)	5.72	5.72	5.71	5.72	5.73	5.72	5.62	5.82
Decachlorobiphenyl		8.80	8.81	8.80	8.81	8.80	8.81	8.71	8.91
Tetrachloro-m-xylene		3.80	3.80	3.80	3.80	3.80	3.80	3.70	3.90
Aroclor-1254-1	(1)	5.68	5.68	5.68	5.68	5.68	5.68	5.58	5.78
Aroclor-1254-2	(2)	5.83	5.83	5.83	5.83	5.83	5.83	5.73	5.93
Aroclor-1254-3	(3)	6.23	6.23	6.23	6.23	6.23	6.23	6.13	6.33
Aroclor-1254-4	(4)	6.45	6.45	6.46	6.45	6.45	6.45	6.35	6.55
Aroclor-1254-5	(5)	6.87	6.87	6.87	6.87	6.87	6.87	6.77	6.97
Decachlorobiphenyl		8.81	8.81	8.81	8.81	8.81	8.81	8.71	8.91
Tetrachloro-m-xylene		3.80	3.80	3.80	3.80	3.80	3.80	3.70	3.90
Aroclor-1268-1	(1)	7.69	7.69	7.69	7.69	7.69	7.69	7.59	7.79
Aroclor-1268-2	(2)	7.75	7.75	7.75	7.75	7.75	7.75	7.65	7.85
Aroclor-1268-3	(3)	7.96	7.96	7.96	7.96	7.96	7.96	7.86	8.06
Aroclor-1268-4	(4)	8.25	8.25	8.25	8.25	8.25	8.25	8.15	8.35
Aroclor-1268-5	(5)	8.55	8.55	8.55	8.54	8.54	8.54	8.44	8.64

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.81	8.81	8.81	8.80	8.81	8.81	8.71	8.91
Tetrachloro-m-xylene	3.80	3.80	3.80	3.80	3.80	3.80	3.70	3.90

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_P

Contract: AECO02
SDG NO.: Q3363
Calibration Date(s): 09/23/2025 09/23/2025
Calibration Times: 08:45 17:14

GC Column: ZB-MR1 **ID:** 0.32 (mm)

LAB FILE ID: CF 1000 = PP075247.D CF 750 = PP075248.D
CF 500 = PP075249.D CF 250 = PP075250.D CF 050 = PP075251.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	42347817	45007967	46870170	50153844	56144100	48104780	11
Aroclor-1016-2	(2)	64402738	67720917	69660408	74265036	82593880	71728596	10
Aroclor-1016-3	(3)	39431965	41872236	43807668	47351972	60190040	46530776	18
Aroclor-1016-4	(4)	32893250	34833364	35556514	38336304	36563880	35636662	6
Aroclor-1016-5	(5)	31586228	33455985	34268374	37039376	32256580	33721309	6
Aroclor-1260-1	(1)	52823399	56388379	60551008	64105520	66729180	60119497	9
Aroclor-1260-2	(2)	63303692	67485644	69648556	75704048	87848060	72798000	13
Aroclor-1260-3	(3)	48177125	50964003	52841238	56234364	62508960	54145138	10
Aroclor-1260-4	(4)	52102929	55158468	56921418	59245152	59257840	56537161	5
Aroclor-1260-5	(5)	102126116	107524053	110369268	115809508	113212520	109808293	5
Decachlorobiphenyl		920246130	962712813	986576680	1032362440	1085842800	997548173	6
Tetrachloro-m-xylene		1241637260	1308534467	1312330580	1382545720	1297359400	1308481485	4
Aroclor-1242-1	(1)	36886529	39218005	41223848	44446876	46523260	41659704	9
Aroclor-1242-2	(2)	55040068	57977600	60249464	64089044	60830740	59637383	6
Aroclor-1242-3	(3)	34279044	36622237	38652038	41896284	50681480	40426217	16
Aroclor-1242-4	(4)	28461551	29972721	31322910	33558448	33854640	31434054	7
Aroclor-1242-5	(5)	31568865	33442463	35656256	39523980	35586800	35155673	8
Decachlorobiphenyl		926627030	968517160	1003394580	1047152200	937997000	976737594	5
Tetrachloro-m-xylene		1236238500	1295575613	1320312660	1382228640	1251655600	1297202203	4
Aroclor-1248-1	(1)	29172565	31397577	32249970	33755340	31223340	31559758	5
Aroclor-1248-2	(2)	39359802	41783284	43459792	45079104	47158200	43368036	7
Aroclor-1248-3	(3)	44196144	46704360	48478236	50173996	49240700	47758687	5
Aroclor-1248-4	(4)	53562132	56623921	59266248	61341900	64765060	59111852	7
Aroclor-1248-5	(5)	51867384	54812452	57671502	61547912	69597980	59099446	12
Decachlorobiphenyl		936214370	980173387	1009425800	1018487400	982414600	985343111	3
Tetrachloro-m-xylene		1235222620	1285172653	1318552840	1328682760	1313272800	1296180735	3
Aroclor-1254-1	(1)	61475917	62734304	65986682	62998532	67924500	64223987	4
Aroclor-1254-2	(2)	77552440	82328021	86739650	88146820	94902000	85933786	8
Aroclor-1254-3	(3)	82845377	87949261	92224268	94074964	105017660	92422306	9
Aroclor-1254-4	(4)	64880438	68693089	72666206	72469616	78036900	71349250	7
Aroclor-1254-5	(5)	77310574	81941501	85874638	85948608	77961320	81807328	5
Decachlorobiphenyl		940196120	995283773	1040085460	1002732880	956220600	986903767	4
Tetrachloro-m-xylene		1243265480	1304021133	1335815700	1326930840	1339353000	1309877231	3
Aroclor-1268-1	(1)	152883178	159692704	169160672	171922300	156133040	161958379	5

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	141133811	146979519	155825750	156513748	141348060	148360178	5
Aroclor-1268-3	(3)	118887581	123478560	131058116	130049472	116969640	124088674	5
Aroclor-1268-4	(4)	55874289	58464284	61978114	60989252	60829860	59627160	4
Aroclor-1268-5	(5)	373677572	388367939	407123198	405183456	366620440	388194521	5
Decachlorobiphenyl		1657406580	1735675800	1838831580	1851125440	1610932200	1738794320	6
Tetrachloro-m-xylene		1279137450	1334222493	1390576680	1375184440	1232599000	1322344013	5

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_P

Contract: AECO02
SDG NO.: Q3363
Calibration Date(s): 09/23/2025 09/23/2025
Calibration Times: 08:45 17:14

GC Column: ZB-MR2 **ID:** 0.32 (mm)

LAB FILE ID: CF 1000 = PP075247.D CF 750 = PP075248.D
CF 500 = PP075249.D CF 250 = PP075250.D CF 050 = PP075251.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	550669557	575041595	570968608	557638892	550748680	561013466	2
Aroclor-1016-2	(2)	253692272	266987116	261503738	252594292	250233300	257002144	3
Aroclor-1016-3	(3)	139883237	146298759	147016140	140568364	202575320	155268364	17
Aroclor-1016-4	(4)	139175266	149989423	152767546	146969012	145938660	146967981	3
Aroclor-1016-5	(5)	157135257	166127832	167159970	171673236	154814600	163382179	4
Aroclor-1260-1	(1)	389924896	398807288	400126940	426602072	414215600	405935359	4
Aroclor-1260-2	(2)	565343775	583502056	582903442	580470456	566929720	575829890	2
Aroclor-1260-3	(3)	422351862	433041807	427033404	426203564	431794540	428085035	1
Aroclor-1260-4	(4)	428778820	432299260	434882920	423190072	436968900	431223994	1
Aroclor-1260-5	(5)	1056009939	1104491933	1106785704	1094138908	898515660	1051988429	8
Decachlorobiphenyl		6122260390	6260409867	6205942400	6354732320	5219165200	6032502035	8
Tetrachloro-m-xylene		6636388100	6400989987	6258078260	6278037480	4930931000	6100884965	11
Aroclor-1242-1	(1)	472236904	485846165	486239260	487321948	403955360	467119927	8
Aroclor-1242-2	(2)	217510086	216447451	216513930	219383960	174933800	208957845	9
Aroclor-1242-3	(3)	123250580	122980740	121647250	125144732	116794760	121963612	3
Aroclor-1242-4	(4)	159270704	162580923	163635768	175639772	134330060	159091445	10
Aroclor-1242-5	(5)	192075351	196719551	194226854	201700156	188695940	194683570	3
Decachlorobiphenyl		6210283890	6223405693	6336701840	6098511680	5039253200	5981631261	9
Tetrachloro-m-xylene		6371057840	6261042827	6076223420	6032393800	4834060000	5914955577	10
Aroclor-1248-1	(1)	313001525	314287516	316712298	313219832	245110400	300466314	10
Aroclor-1248-2	(2)	194621063	204942157	200519274	206042640	206270120	202479051	2
Aroclor-1248-3	(3)	238833016	244338553	263622092	258775616	243161480	249746151	4
Aroclor-1248-4	(4)	233390044	236006324	231247510	230022068	233051700	232743529	1
Aroclor-1248-5	(5)	417516536	433645501	453462226	437040196	301192600	408571412	15
Decachlorobiphenyl		6280619880	6334319187	6392002300	6030990520	5377561400	6083098657	7
Tetrachloro-m-xylene		6342135760	6351132560	6173502940	5553544360	4399164000	5763895924	14
Aroclor-1254-1	(1)	503004292	535011767	531987056	521951800	402057780	498802539	11
Aroclor-1254-2	(2)	378219544	403583375	399300676	392234176	422583680	399184290	4
Aroclor-1254-3	(3)	715208754	722755991	718569236	662347256	504737840	664723815	14
Aroclor-1254-4	(4)	505627774	538597859	544931308	492275784	386803020	493647149	13
Aroclor-1254-5	(5)	551845651	631515513	645579268	578311224	446211920	570692715	14
Decachlorobiphenyl		6237706050	6279124973	6507474640	6157241280	5410407600	6118390909	7
Tetrachloro-m-xylene		6240840860	6469002347	6413333980	5502278160	4576318000	5840354669	14
Aroclor-1268-1	(1)	1460168699	1513699808	1559348234	1460709316	1219243940	1442633999	9

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	1471677824	1500245056	1520481630	1382554016	1099105140	1394812733	12
Aroclor-1268-3	(3)	1142468076	1153335345	1195510260	1093929288	869367940	1090922182	12
Aroclor-1268-4	(4)	470517486	472924412	482908940	460922856	362513880	449957515	11
Aroclor-1268-5	(5)	3043336629	3184766664	3278330982	3285110680	2399968480	3038302687	12
Decachlorobiphenyl		12094690940	12187875973	12233092380	12124440600	9791304400	11686280859	9
Tetrachloro-m-xylene		6567329620	6628773733	6640722000	6057317560	4103278800	5999484343	18

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3363

Instrument ID: ECD_P **Date(s) Analyzed:** 09/23/2025 09/23/2025

GC Column: ZB-MR1 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Aroclor-1221	500	1	4.86	4.76	4.96	18490700
		2	4.95	4.85	5.05	13697900
		3	5.02	4.92	5.12	41397800
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	5.02	4.92	5.12	32115600
		2	5.54	5.44	5.64	16774900
		3	5.83	5.73	5.93	33440800
		4	5.99	5.89	6.09	17299100
		5	6.08	5.98	6.18	12004400
Aroclor-1262	500	1	8.24	8.14	8.34	75955200
		2	8.57	8.47	8.67	135361000
		3	8.90	8.80	9.00	93451000
		4	8.98	8.88	9.08	72237200
		5	9.66	9.56	9.76	52135400

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3363

Instrument ID: ECD_P **Date(s) Analyzed:** 09/23/2025 09/23/2025

GC Column: ZB-MR2 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Aroclor-1221	500	1	4.01	3.91	4.11	76477600
		2	4.09	3.99	4.19	52263200
		3	4.17	4.07	4.27	190406000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.17	4.07	4.27	146566000
		2	4.89	4.79	4.99	252198000
		3	5.07	4.97	5.17	63015000
		4	5.15	5.05	5.25	103164000
		5	5.33	5.23	5.43	64046600
Aroclor-1262	500	1	6.91	6.81	7.01	791116000
		2	7.17	7.07	7.27	552368000
		3	7.69	7.59	7.79	499974000
		4	7.75	7.65	7.85	908084000
		5	8.25	8.15	8.35	429906000

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3363

Continuing Calib Date: 10/17/2025 **Initial Calibration Date(s):** 10/09/2025 10/09/2025

Continuing Calib Time: 09:54 **Initial Calibration Time(s):** 14:14 22:29

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	5.49	5.49	5.39	5.59	0.00
Aroclor-1016-2	(2)	5.52	5.51	5.41	5.61	0.00
Aroclor-1016-3	(3)	5.58	5.58	5.48	5.68	0.00
Aroclor-1016-4	(4)	5.67	5.67	5.57	5.77	0.00
Aroclor-1016-5	(5)	5.96	5.96	5.86	6.06	0.00
Aroclor-1260-1	(1)	7.08	7.08	6.98	7.18	0.00
Aroclor-1260-2	(2)	7.33	7.33	7.23	7.43	0.00
Aroclor-1260-3	(3)	7.69	7.69	7.59	7.79	0.00
Aroclor-1260-4	(4)	7.91	7.91	7.81	8.01	0.00
Aroclor-1260-5	(5)	8.22	8.21	8.11	8.31	-0.01
Tetrachloro-m-xylene		4.36	4.36	4.26	4.46	0.00
Decachlorobiphenyl		9.94	9.93	9.83	10.03	-0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3363

Continuing Calib Date: 10/17/2025 **Initial Calibration Date(s):** 10/09/2025 10/09/2025

Continuing Calib Time: 09:54 **Initial Calibration Time(s):** 14:14 22:29

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.74	4.74	4.64	4.84	0.00
Aroclor-1016-2	(2)	4.76	4.76	4.66	4.86	0.00
Aroclor-1016-3	(3)	4.93	4.94	4.84	5.04	0.01
Aroclor-1016-4	(4)	4.98	4.98	4.88	5.08	0.00
Aroclor-1016-5	(5)	5.19	5.19	5.09	5.29	0.00
Aroclor-1260-1	(1)	6.22	6.23	6.13	6.33	0.01
Aroclor-1260-2	(2)	6.41	6.41	6.31	6.51	0.00
Aroclor-1260-3	(3)	6.56	6.57	6.47	6.67	0.01
Aroclor-1260-4	(4)	7.03	7.04	6.94	7.14	0.01
Aroclor-1260-5	(5)	7.27	7.28	7.18	7.38	0.01
Tetrachloro-m-xylene		3.66	3.66	3.56	3.76	0.00
Decachlorobiphenyl		8.66	8.67	8.57	8.77	0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3363

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/09/2025 10/09/2025

Client Sample No.: CCAL01 **Date Analyzed:** 10/17/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO114448.D **Time Analyzed:** 09:54

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.493	5.392	5.592	531.760	500.000	6.4
Aroclor-1016-2	5.515	5.414	5.614	514.370	500.000	2.9
Aroclor-1016-3	5.577	5.476	5.676	511.540	500.000	2.3
Aroclor-1016-4	5.672	5.571	5.771	539.820	500.000	8.0
Aroclor-1016-5	5.964	5.863	6.063	539.430	500.000	7.9
Aroclor-1260-1	7.077	6.975	7.175	515.840	500.000	3.2
Aroclor-1260-2	7.332	7.229	7.429	505.990	500.000	1.2
Aroclor-1260-3	7.688	7.585	7.785	521.640	500.000	4.3
Aroclor-1260-4	7.910	7.807	8.007	510.820	500.000	2.2
Aroclor-1260-5	8.217	8.113	8.313	499.190	500.000	-0.2
Decachlorobiphenyl	9.941	9.834	10.034	50.690	50.000	1.4
Tetrachloro-m-xylene	4.355	4.255	4.455	56.020	50.000	12.0

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3363

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/09/2025 10/09/2025

Client Sample No.: CCAL01 **Date Analyzed:** 10/17/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO114448.D **Time Analyzed:** 09:54

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.740	4.643	4.843	536.390	500.000	7.3
Aroclor-1016-2	4.759	4.662	4.862	525.960	500.000	5.2
Aroclor-1016-3	4.934	4.836	5.036	555.790	500.000	11.2
Aroclor-1016-4	4.976	4.879	5.079	564.050	500.000	12.8
Aroclor-1016-5	5.189	5.092	5.292	540.980	500.000	8.2
Aroclor-1260-1	6.222	6.125	6.325	556.010	500.000	11.2
Aroclor-1260-2	6.409	6.313	6.513	569.040	500.000	13.8
Aroclor-1260-3	6.562	6.466	6.666	519.230	500.000	3.8
Aroclor-1260-4	7.034	6.939	7.139	561.290	500.000	12.3
Aroclor-1260-5	7.274	7.179	7.379	532.690	500.000	6.5
Decachlorobiphenyl	8.664	8.571	8.771	47.610	50.000	-4.8
Tetrachloro-m-xylene	3.658	3.560	3.760	53.810	50.000	7.6

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3363

Continuing Calib Date: 10/17/2025 **Initial Calibration Date(s):** 10/09/2025 10/09/2025

Continuing Calib Time: 15:50 **Initial Calibration Time(s):** 14:14 22:29

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	5.50	5.49	5.39	5.59	0.00
Aroclor-1016-2	(2)	5.52	5.51	5.41	5.61	-0.01
Aroclor-1016-3	(3)	5.58	5.58	5.48	5.68	0.00
Aroclor-1016-4	(4)	5.67	5.67	5.57	5.77	0.00
Aroclor-1016-5	(5)	5.97	5.96	5.86	6.06	-0.01
Aroclor-1260-1	(1)	7.08	7.08	6.98	7.18	0.00
Aroclor-1260-2	(2)	7.33	7.33	7.23	7.43	0.00
Aroclor-1260-3	(3)	7.69	7.69	7.59	7.79	0.00
Aroclor-1260-4	(4)	7.91	7.91	7.81	8.01	0.00
Aroclor-1260-5	(5)	8.22	8.21	8.11	8.31	-0.01
Tetrachloro-m-xylene		4.36	4.36	4.26	4.46	0.00
Decachlorobiphenyl		9.94	9.93	9.83	10.03	-0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3363

Continuing Calib Date: 10/17/2025 **Initial Calibration Date(s):** 10/09/2025 10/09/2025

Continuing Calib Time: 15:50 **Initial Calibration Time(s):** 14:14 22:29

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.74	4.74	4.64	4.84	0.00
Aroclor-1016-2	(2)	4.76	4.76	4.66	4.86	0.00
Aroclor-1016-3	(3)	4.93	4.94	4.84	5.04	0.01
Aroclor-1016-4	(4)	4.98	4.98	4.88	5.08	0.00
Aroclor-1016-5	(5)	5.19	5.19	5.09	5.29	0.00
Aroclor-1260-1	(1)	6.22	6.23	6.13	6.33	0.01
Aroclor-1260-2	(2)	6.41	6.41	6.31	6.51	0.00
Aroclor-1260-3	(3)	6.56	6.57	6.47	6.67	0.01
Aroclor-1260-4	(4)	7.04	7.04	6.94	7.14	0.01
Aroclor-1260-5	(5)	7.28	7.28	7.18	7.38	0.00
Tetrachloro-m-xylene		3.66	3.66	3.56	3.76	0.00
Decachlorobiphenyl		8.67	8.67	8.57	8.77	0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3363

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/09/2025 10/09/2025

Client Sample No.: CCAL02 **Date Analyzed:** 10/17/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO114461.D **Time Analyzed:** 15:50

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.495	5.392	5.592	509.020	500.000	1.8
Aroclor-1016-2	5.516	5.414	5.614	497.030	500.000	-0.6
Aroclor-1016-3	5.578	5.476	5.676	490.250	500.000	-2.0
Aroclor-1016-4	5.674	5.571	5.771	520.520	500.000	4.1
Aroclor-1016-5	5.965	5.863	6.063	516.110	500.000	3.2
Aroclor-1260-1	7.078	6.975	7.175	500.590	500.000	0.1
Aroclor-1260-2	7.331	7.229	7.429	488.920	500.000	-2.2
Aroclor-1260-3	7.689	7.585	7.785	502.790	500.000	0.6
Aroclor-1260-4	7.911	7.807	8.007	484.610	500.000	-3.1
Aroclor-1260-5	8.217	8.113	8.313	483.900	500.000	-3.2
Decachlorobiphenyl	9.943	9.834	10.034	49.500	50.000	-1.0
Tetrachloro-m-xylene	4.356	4.255	4.455	54.530	50.000	9.1

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3363

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/09/2025 10/09/2025

Client Sample No.: CCAL02 **Date Analyzed:** 10/17/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO114461.D **Time Analyzed:** 15:50

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.740	4.643	4.843	523.670	500.000	4.7
Aroclor-1016-2	4.760	4.662	4.862	523.380	500.000	4.7
Aroclor-1016-3	4.934	4.836	5.036	546.600	500.000	9.3
Aroclor-1016-4	4.976	4.879	5.079	546.950	500.000	9.4
Aroclor-1016-5	5.189	5.092	5.292	534.400	500.000	6.9
Aroclor-1260-1	6.222	6.125	6.325	534.580	500.000	6.9
Aroclor-1260-2	6.409	6.313	6.513	547.830	500.000	9.6
Aroclor-1260-3	6.562	6.466	6.666	492.090	500.000	-1.6
Aroclor-1260-4	7.035	6.939	7.139	522.110	500.000	4.4
Aroclor-1260-5	7.275	7.179	7.379	502.940	500.000	0.6
Decachlorobiphenyl	8.665	8.571	8.771	45.140	50.000	-9.7
Tetrachloro-m-xylene	3.659	3.560	3.760	53.380	50.000	6.8

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3363

Continuing Calib Date: 10/17/2025 **Initial Calibration Date(s):** 09/23/2025 09/23/2025

Continuing Calib Time: 09:48 **Initial Calibration Time(s):** 08:45 17:14

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	5.80	5.81	5.71	5.91	0.01
Aroclor-1016-2	(2)	5.82	5.83	5.73	5.93	0.01
Aroclor-1016-3	(3)	5.89	5.89	5.79	5.99	0.00
Aroclor-1016-4	(4)	5.98	5.99	5.89	6.09	0.01
Aroclor-1016-5	(5)	6.27	6.28	6.18	6.38	0.01
Aroclor-1260-1	(1)	7.39	7.40	7.30	7.50	0.01
Aroclor-1260-2	(2)	7.64	7.65	7.55	7.75	0.01
Aroclor-1260-3	(3)	8.00	8.01	7.91	8.11	0.01
Aroclor-1260-4	(4)	8.23	8.24	8.14	8.34	0.01
Aroclor-1260-5	(5)	8.56	8.56	8.46	8.66	0.00
Tetrachloro-m-xylene		4.65	4.66	4.56	4.76	0.01
Decachlorobiphenyl		10.43	10.43	10.33	10.53	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3363

Continuing Calib Date: 10/17/2025 **Initial Calibration Date(s):** 09/23/2025 09/23/2025

Continuing Calib Time: 09:48 **Initial Calibration Time(s):** 08:45 17:14

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.88	4.89	4.79	4.99	0.01
Aroclor-1016-2	(2)	4.94	4.95	4.85	5.05	0.01
Aroclor-1016-3	(3)	5.06	5.07	4.97	5.17	0.01
Aroclor-1016-4	(4)	5.10	5.11	5.01	5.21	0.01
Aroclor-1016-5	(5)	5.31	5.33	5.23	5.43	0.02
Aroclor-1260-1	(1)	6.34	6.36	6.26	6.46	0.02
Aroclor-1260-2	(2)	6.53	6.54	6.44	6.64	0.01
Aroclor-1260-3	(3)	6.68	6.70	6.60	6.80	0.02
Aroclor-1260-4	(4)	7.15	7.17	7.07	7.27	0.02
Aroclor-1260-5	(5)	7.39	7.40	7.30	7.50	0.01
Tetrachloro-m-xylene		3.79	3.80	3.70	3.90	0.01
Decachlorobiphenyl		8.79	8.80	8.70	8.90	0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3363

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 09/23/2025 09/23/2025

Client Sample No.: CCAL03 **Date Analyzed:** 10/17/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP075835.D **Time Analyzed:** 09:48

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.801	5.708	5.908	560.820	500.000	12.2
Aroclor-1016-2	5.822	5.729	5.929	574.390	500.000	14.9
Aroclor-1016-3	5.885	5.792	5.992	576.750	500.000	15.4
Aroclor-1016-4	5.982	5.889	6.089	604.370	500.000	20.9
Aroclor-1016-5	6.274	6.181	6.381	592.100	500.000	18.4
Aroclor-1260-1	7.392	7.299	7.499	542.950	500.000	8.6
Aroclor-1260-2	7.644	7.551	7.751	530.010	500.000	6.0
Aroclor-1260-3	8.002	7.909	8.109	578.720	500.000	15.7
Aroclor-1260-4	8.230	8.137	8.337	587.280	500.000	17.5
Aroclor-1260-5	8.556	8.464	8.664	582.040	500.000	16.4
Decachlorobiphenyl	10.426	10.334	10.534	46.550	50.000	-6.9
Tetrachloro-m-xylene	4.648	4.555	4.755	52.660	50.000	5.3

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3363

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 09/23/2025 09/23/2025

Client Sample No.: CCAL03 **Date Analyzed:** 10/17/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP075835.D **Time Analyzed:** 09:48

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.883	4.793	4.993	558.610	500.000	11.7
Aroclor-1016-2	4.940	4.851	5.051	586.980	500.000	17.4
Aroclor-1016-3	5.060	4.971	5.171	525.120	500.000	5.0
Aroclor-1016-4	5.100	5.011	5.211	574.590	500.000	14.9
Aroclor-1016-5	5.314	5.225	5.425	549.910	500.000	10.0
Aroclor-1260-1	6.342	6.255	6.455	540.530	500.000	8.1
Aroclor-1260-2	6.529	6.441	6.641	545.220	500.000	9.0
Aroclor-1260-3	6.682	6.595	6.795	520.850	500.000	4.2
Aroclor-1260-4	7.151	7.065	7.265	490.770	500.000	-1.8
Aroclor-1260-5	7.391	7.304	7.504	514.870	500.000	3.0
Decachlorobiphenyl	8.787	8.703	8.903	51.610	50.000	3.2
Tetrachloro-m-xylene	3.788	3.696	3.896	51.430	50.000	2.9

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3363

Continuing Calib Date: 10/17/2025 **Initial Calibration Date(s):** 09/23/2025 09/23/2025

Continuing Calib Time: 16:18 **Initial Calibration Time(s):** 08:45 17:14

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	5.80	5.81	5.71	5.91	0.01
Aroclor-1016-2	(2)	5.83	5.83	5.73	5.93	0.00
Aroclor-1016-3	(3)	5.89	5.89	5.79	5.99	0.00
Aroclor-1016-4	(4)	5.99	5.99	5.89	6.09	0.00
Aroclor-1016-5	(5)	6.28	6.28	6.18	6.38	0.00
Aroclor-1260-1	(1)	7.40	7.40	7.30	7.50	0.00
Aroclor-1260-2	(2)	7.65	7.65	7.55	7.75	0.00
Aroclor-1260-3	(3)	8.01	8.01	7.91	8.11	0.00
Aroclor-1260-4	(4)	8.23	8.24	8.14	8.34	0.01
Aroclor-1260-5	(5)	8.56	8.56	8.46	8.66	0.00
Tetrachloro-m-xylene		4.65	4.66	4.56	4.76	0.01
Decachlorobiphenyl		10.43	10.43	10.33	10.53	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3363

Continuing Calib Date: 10/17/2025 **Initial Calibration Date(s):** 09/23/2025 09/23/2025

Continuing Calib Time: 16:18 **Initial Calibration Time(s):** 08:45 17:14

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.89	4.89	4.79	4.99	0.00
Aroclor-1016-2	(2)	4.94	4.95	4.85	5.05	0.01
Aroclor-1016-3	(3)	5.06	5.07	4.97	5.17	0.01
Aroclor-1016-4	(4)	5.10	5.11	5.01	5.21	0.01
Aroclor-1016-5	(5)	5.32	5.33	5.23	5.43	0.01
Aroclor-1260-1	(1)	6.35	6.36	6.26	6.46	0.01
Aroclor-1260-2	(2)	6.53	6.54	6.44	6.64	0.01
Aroclor-1260-3	(3)	6.69	6.70	6.60	6.80	0.01
Aroclor-1260-4	(4)	7.16	7.17	7.07	7.27	0.01
Aroclor-1260-5	(5)	7.40	7.40	7.30	7.50	0.01
Tetrachloro-m-xylene		3.79	3.80	3.70	3.90	0.01
Decachlorobiphenyl		8.79	8.80	8.70	8.90	0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3363

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 09/23/2025 09/23/2025

Client Sample No.: CCAL04 **Date Analyzed:** 10/17/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP075850.D **Time Analyzed:** 16:18

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.804	5.708	5.908	560.110	500.000	12.0
Aroclor-1016-2	5.826	5.729	5.929	554.310	500.000	10.9
Aroclor-1016-3	5.888	5.792	5.992	539.710	500.000	7.9
Aroclor-1016-4	5.985	5.889	6.089	574.030	500.000	14.8
Aroclor-1016-5	6.277	6.181	6.381	557.720	500.000	11.5
Aroclor-1260-1	7.396	7.299	7.499	506.900	500.000	1.4
Aroclor-1260-2	7.648	7.551	7.751	492.860	500.000	-1.4
Aroclor-1260-3	8.006	7.909	8.109	530.570	500.000	6.1
Aroclor-1260-4	8.234	8.137	8.337	552.390	500.000	10.5
Aroclor-1260-5	8.560	8.464	8.664	558.370	500.000	11.7
Decachlorobiphenyl	10.431	10.334	10.534	44.890	50.000	-10.2
Tetrachloro-m-xylene	4.652	4.555	4.755	51.250	50.000	2.5

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3363

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 09/23/2025 09/23/2025

Client Sample No.: CCAL04 **Date Analyzed:** 10/17/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP075850.D **Time Analyzed:** 16:18

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.885	4.793	4.993	585.760	500.000	17.2
Aroclor-1016-2	4.943	4.851	5.051	574.070	500.000	14.8
Aroclor-1016-3	5.062	4.971	5.171	569.370	500.000	13.9
Aroclor-1016-4	5.103	5.011	5.211	571.670	500.000	14.3
Aroclor-1016-5	5.317	5.225	5.425	570.940	500.000	14.2
Aroclor-1260-1	6.346	6.255	6.455	503.720	500.000	0.7
Aroclor-1260-2	6.533	6.441	6.641	498.150	500.000	-0.4
Aroclor-1260-3	6.686	6.595	6.795	476.240	500.000	-4.8
Aroclor-1260-4	7.155	7.065	7.265	420.700	500.000	-15.9
Aroclor-1260-5	7.395	7.304	7.504	432.680	500.000	-13.5
Decachlorobiphenyl	8.792	8.703	8.903	46.660	50.000	-6.7
Tetrachloro-m-xylene	3.791	3.696	3.896	49.640	50.000	-0.7

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3363

Continuing Calib Date: 10/17/2025 **Initial Calibration Date(s):** 09/23/2025 09/23/2025

Continuing Calib Time: 20:38 **Initial Calibration Time(s):** 08:45 17:14

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	5.80	5.81	5.71	5.91	0.01
Aroclor-1016-2	(2)	5.83	5.83	5.73	5.93	0.01
Aroclor-1016-3	(3)	5.89	5.89	5.79	5.99	0.00
Aroclor-1016-4	(4)	5.99	5.99	5.89	6.09	0.00
Aroclor-1016-5	(5)	6.28	6.28	6.18	6.38	0.00
Aroclor-1260-1	(1)	7.40	7.40	7.30	7.50	0.01
Aroclor-1260-2	(2)	7.65	7.65	7.55	7.75	0.00
Aroclor-1260-3	(3)	8.01	8.01	7.91	8.11	0.00
Aroclor-1260-4	(4)	8.23	8.24	8.14	8.34	0.01
Aroclor-1260-5	(5)	8.56	8.56	8.46	8.66	0.00
Tetrachloro-m-xylene		4.65	4.66	4.56	4.76	0.01
Decachlorobiphenyl		10.43	10.43	10.33	10.53	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3363

Continuing Calib Date: 10/17/2025 **Initial Calibration Date(s):** 09/23/2025 09/23/2025

Continuing Calib Time: 20:38 **Initial Calibration Time(s):** 08:45 17:14

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.89	4.89	4.79	4.99	0.00
Aroclor-1016-2	(2)	4.94	4.95	4.85	5.05	0.01
Aroclor-1016-3	(3)	5.06	5.07	4.97	5.17	0.01
Aroclor-1016-4	(4)	5.10	5.11	5.01	5.21	0.01
Aroclor-1016-5	(5)	5.32	5.33	5.23	5.43	0.01
Aroclor-1260-1	(1)	6.35	6.36	6.26	6.46	0.02
Aroclor-1260-2	(2)	6.53	6.54	6.44	6.64	0.01
Aroclor-1260-3	(3)	6.69	6.70	6.60	6.80	0.02
Aroclor-1260-4	(4)	7.15	7.17	7.07	7.27	0.02
Aroclor-1260-5	(5)	7.39	7.40	7.30	7.50	0.01
Tetrachloro-m-xylene		3.79	3.80	3.70	3.90	0.01
Decachlorobiphenyl		8.79	8.80	8.70	8.90	0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3363

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 09/23/2025 09/23/2025

Client Sample No.: CCAL05 **Date Analyzed:** 10/17/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP075862.D **Time Analyzed:** 20:38

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.803	5.708	5.908	514.790	500.000	3.0
Aroclor-1016-2	5.825	5.729	5.929	517.700	500.000	3.5
Aroclor-1016-3	5.888	5.792	5.992	501.680	500.000	0.3
Aroclor-1016-4	5.985	5.889	6.089	536.970	500.000	7.4
Aroclor-1016-5	6.277	6.181	6.381	525.610	500.000	5.1
Aroclor-1260-1	7.395	7.299	7.499	489.380	500.000	-2.1
Aroclor-1260-2	7.648	7.551	7.751	467.900	500.000	-6.4
Aroclor-1260-3	8.005	7.909	8.109	513.780	500.000	2.8
Aroclor-1260-4	8.234	8.137	8.337	510.550	500.000	2.1
Aroclor-1260-5	8.559	8.464	8.664	519.560	500.000	3.9
Decachlorobiphenyl	10.430	10.334	10.534	42.350	50.000	-15.3
Tetrachloro-m-xylene	4.652	4.555	4.755	48.990	50.000	-2.0

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3363

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 09/23/2025 09/23/2025

Client Sample No.: CCAL05 **Date Analyzed:** 10/17/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP075862.D **Time Analyzed:** 20:38

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.885	4.793	4.993	590.830	500.000	18.2
Aroclor-1016-2	4.942	4.851	5.051	541.470	500.000	8.3
Aroclor-1016-3	5.063	4.971	5.171	568.040	500.000	13.6
Aroclor-1016-4	5.103	5.011	5.211	592.080	500.000	18.4
Aroclor-1016-5	5.317	5.225	5.425	542.830	500.000	8.6
Aroclor-1260-1	6.345	6.255	6.455	420.570	500.000	-15.9
Aroclor-1260-2	6.532	6.441	6.641	450.650	500.000	-9.9
Aroclor-1260-3	6.685	6.595	6.795	453.010	500.000	-9.4
Aroclor-1260-4	7.154	7.065	7.265	405.010	500.000	-19.0
Aroclor-1260-5	7.394	7.304	7.504	427.800	500.000	-14.4
Decachlorobiphenyl	8.790	8.703	8.903	44.620	50.000	-10.8
Tetrachloro-m-xylene	3.791	3.696	3.896	49.220	50.000	-1.6

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Analytical Sequence

Client: AECOM **SDG No.:** Q3363

Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 6069 **Instrument ID:** ECD_O

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 10/09/2025 10/09/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	10/09/2025	13:55	PO114312.D	9.93	4.36
AR1660ICC1000	AR1660ICC1000	10/09/2025	14:14	PO114313.D	9.93	4.36
AR1660ICC750	AR1660ICC750	10/09/2025	14:32	PO114314.D	9.93	4.36
AR1660ICC500	AR1660ICC500	10/09/2025	14:50	PO114315.D	9.93	4.36
AR1660ICC250	AR1660ICC250	10/09/2025	15:09	PO114316.D	9.93	4.36
AR1660ICC050	AR1660ICC050	10/09/2025	15:27	PO114317.D	9.93	4.36
AR1221ICC500	AR1221ICC500	10/09/2025	15:45	PO114318.D	9.93	4.36
AR1232ICC500	AR1232ICC500	10/09/2025	16:04	PO114319.D	9.93	4.36
AR1242ICC1000	AR1242ICC1000	10/09/2025	16:22	PO114320.D	9.93	4.36
AR1242ICC750	AR1242ICC750	10/09/2025	16:40	PO114321.D	9.93	4.36
AR1242ICC500	AR1242ICC500	10/09/2025	16:59	PO114322.D	9.93	4.36
AR1242ICC250	AR1242ICC250	10/09/2025	17:17	PO114323.D	9.93	4.36
AR1242ICC050	AR1242ICC050	10/09/2025	17:35	PO114324.D	9.93	4.36
AR1248ICC1000	AR1248ICC1000	10/09/2025	17:54	PO114325.D	9.93	4.36
AR1248ICC750	AR1248ICC750	10/09/2025	18:12	PO114326.D	9.93	4.36
AR1248ICC500	AR1248ICC500	10/09/2025	18:30	PO114327.D	9.93	4.36
AR1248ICC250	AR1248ICC250	10/09/2025	18:49	PO114328.D	9.93	4.36
AR1248ICC050	AR1248ICC050	10/09/2025	19:07	PO114329.D	9.93	4.36
AR1254ICC1000	AR1254ICC1000	10/09/2025	19:26	PO114330.D	9.93	4.36
AR1254ICC750	AR1254ICC750	10/09/2025	19:44	PO114331.D	9.93	4.36
AR1254ICC500	AR1254ICC500	10/09/2025	20:02	PO114332.D	9.93	4.36
AR1254ICC250	AR1254ICC250	10/09/2025	20:21	PO114333.D	9.93	4.36
AR1254ICC050	AR1254ICC050	10/09/2025	20:39	PO114334.D	9.93	4.36
AR1262ICC500	AR1262ICC500	10/09/2025	20:57	PO114335.D	9.93	4.36
AR1268ICC1000	AR1268ICC1000	10/09/2025	21:16	PO114336.D	9.93	4.36
AR1268ICC750	AR1268ICC750	10/09/2025	21:34	PO114337.D	9.93	4.36
AR1268ICC500	AR1268ICC500	10/09/2025	21:52	PO114338.D	9.93	4.36
AR1268ICC250	AR1268ICC250	10/09/2025	22:11	PO114339.D	9.93	4.36
AR1268ICC050	AR1268ICC050	10/09/2025	22:29	PO114340.D	9.93	4.36
AR1660CCC500	AR1660CCC500	10/17/2025	09:54	PO114448.D	9.94	4.36
I.BLK	I.BLK	10/17/2025	11:07	PO114452.D	9.94	4.36
PB170141BL	PB170141BL	10/17/2025	12:29	PO114453.D	9.94	4.36
PB170141BS	PB170141BS	10/17/2025	12:47	PO114454.D	9.94	4.36
PR132-SO1-085011-20251015	Q3363-01	10/17/2025	13:04	PO114455.D	9.94	4.35
PR132-SO3-028010-20251015	Q3363-03	10/17/2025	13:41	PO114457.D	9.94	4.36
MH-22MS	Q3369-01MS	10/17/2025	14:18	PO114459.D	9.94	4.36
MH-22MSD	Q3369-01MSD	10/17/2025	14:36	PO114460.D	9.94	4.36
AR1660CCC500	AR1660CCC500	10/17/2025	15:50	PO114461.D	9.94	4.36
I.BLK	I.BLK	10/17/2025	17:04	PO114465.D	9.94	4.36
I.BLK	I.BLK	09/23/2025	08:29	PP075246.D	10.44	4.66
AR1660ICC1000	AR1660ICC1000	09/23/2025	08:45	PP075247.D	10.43	4.65
AR1660ICC750	AR1660ICC750	09/23/2025	09:01	PP075248.D	10.44	4.66

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Analytical Sequence

AR1660ICC500	AR1660ICC500	09/23/2025	09:18	PP075249.D	10.43	4.66
AR1660ICC250	AR1660ICC250	09/23/2025	09:34	PP075250.D	10.43	4.66
AR1660ICC050	AR1660ICC050	09/23/2025	10:11	PP075251.D	10.45	4.66
AR1221ICC500	AR1221ICC500	09/23/2025	10:27	PP075252.D	10.44	4.66
AR1232ICC500	AR1232ICC500	09/23/2025	10:43	PP075253.D	10.44	4.66
AR1242ICC1000	AR1242ICC1000	09/23/2025	11:00	PP075254.D	10.44	4.66
AR1242ICC750	AR1242ICC750	09/23/2025	11:16	PP075255.D	10.44	4.66
AR1242ICC500	AR1242ICC500	09/23/2025	11:32	PP075256.D	10.44	4.66
AR1242ICC250	AR1242ICC250	09/23/2025	11:48	PP075257.D	10.44	4.66
AR1242ICC050	AR1242ICC050	09/23/2025	12:05	PP075258.D	10.44	4.66
AR1248ICC1000	AR1248ICC1000	09/23/2025	12:37	PP075259.D	10.43	4.66
AR1248ICC750	AR1248ICC750	09/23/2025	12:53	PP075260.D	10.44	4.66
AR1248ICC500	AR1248ICC500	09/23/2025	13:10	PP075261.D	10.44	4.66
AR1248ICC250	AR1248ICC250	09/23/2025	13:26	PP075262.D	10.44	4.66
AR1248ICC050	AR1248ICC050	09/23/2025	13:42	PP075263.D	10.44	4.66
AR1254ICC1000	AR1254ICC1000	09/23/2025	14:15	PP075264.D	10.44	4.66
AR1254ICC750	AR1254ICC750	09/23/2025	14:31	PP075265.D	10.44	4.66
AR1254ICC500	AR1254ICC500	09/23/2025	14:47	PP075266.D	10.44	4.66
AR1254ICC250	AR1254ICC250	09/23/2025	15:04	PP075267.D	10.44	4.66
AR1254ICC050	AR1254ICC050	09/23/2025	15:20	PP075268.D	10.43	4.66
AR1262ICC500	AR1262ICC500	09/23/2025	15:52	PP075269.D	10.44	4.66
AR1268ICC1000	AR1268ICC1000	09/23/2025	16:09	PP075270.D	10.44	4.66
AR1268ICC750	AR1268ICC750	09/23/2025	16:25	PP075271.D	10.44	4.66
AR1268ICC500	AR1268ICC500	09/23/2025	16:41	PP075272.D	10.44	4.66
AR1268ICC250	AR1268ICC250	09/23/2025	16:58	PP075273.D	10.44	4.66
AR1268ICC050	AR1268ICC050	09/23/2025	17:14	PP075274.D	10.44	4.66
AR1660CCC500	AR1660CCC500	10/17/2025	09:48	PP075835.D	10.43	4.65
I.BLK	I.BLK	10/17/2025	10:55	PP075839.D	10.42	4.65
PR132-SO3-010013-20251015	Q3363-04	10/17/2025	12:26	PP075840.D	10.43	4.65
COMP01-20251015	Q3363-05	10/17/2025	12:42	PP075841.D	10.43	4.65
AR1660CCC500	AR1660CCC500	10/17/2025	16:18	PP075850.D	10.43	4.65
I.BLK	I.BLK	10/17/2025	17:39	PP075854.D	10.43	4.65
PR132-SO1-039085-20251015	Q3363-02	10/17/2025	19:33	PP075861.D	10.43	4.65
AR1660CCC500	AR1660CCC500	10/17/2025	20:38	PP075862.D	10.43	4.65
I.BLK	I.BLK	10/17/2025	22:16	PP075866.D	10.43	4.65

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Analytical Sequence

Client: AECOM **SDG No.:** Q3363

Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 6069 **Instrument ID:** ECD_O

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 10/09/2025 10/09/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	10/09/2025	13:55	PO114312.D	8.67	3.66
AR1660ICC1000	AR1660ICC1000	10/09/2025	14:14	PO114313.D	8.67	3.66
AR1660ICC750	AR1660ICC750	10/09/2025	14:32	PO114314.D	8.67	3.66
AR1660ICC500	AR1660ICC500	10/09/2025	14:50	PO114315.D	8.67	3.66
AR1660ICC250	AR1660ICC250	10/09/2025	15:09	PO114316.D	8.67	3.66
AR1660ICC050	AR1660ICC050	10/09/2025	15:27	PO114317.D	8.67	3.66
AR1221ICC500	AR1221ICC500	10/09/2025	15:45	PO114318.D	8.67	3.66
AR1232ICC500	AR1232ICC500	10/09/2025	16:04	PO114319.D	8.67	3.66
AR1242ICC1000	AR1242ICC1000	10/09/2025	16:22	PO114320.D	8.67	3.66
AR1242ICC750	AR1242ICC750	10/09/2025	16:40	PO114321.D	8.67	3.66
AR1242ICC500	AR1242ICC500	10/09/2025	16:59	PO114322.D	8.67	3.66
AR1242ICC250	AR1242ICC250	10/09/2025	17:17	PO114323.D	8.67	3.66
AR1242ICC050	AR1242ICC050	10/09/2025	17:35	PO114324.D	8.67	3.66
AR1248ICC1000	AR1248ICC1000	10/09/2025	17:54	PO114325.D	8.67	3.66
AR1248ICC750	AR1248ICC750	10/09/2025	18:12	PO114326.D	8.67	3.66
AR1248ICC500	AR1248ICC500	10/09/2025	18:30	PO114327.D	8.67	3.66
AR1248ICC250	AR1248ICC250	10/09/2025	18:49	PO114328.D	8.67	3.66
AR1248ICC050	AR1248ICC050	10/09/2025	19:07	PO114329.D	8.67	3.66
AR1254ICC1000	AR1254ICC1000	10/09/2025	19:26	PO114330.D	8.67	3.66
AR1254ICC750	AR1254ICC750	10/09/2025	19:44	PO114331.D	8.67	3.66
AR1254ICC500	AR1254ICC500	10/09/2025	20:02	PO114332.D	8.67	3.66
AR1254ICC250	AR1254ICC250	10/09/2025	20:21	PO114333.D	8.67	3.66
AR1254ICC050	AR1254ICC050	10/09/2025	20:39	PO114334.D	8.67	3.66
AR1262ICC500	AR1262ICC500	10/09/2025	20:57	PO114335.D	8.67	3.66
AR1268ICC1000	AR1268ICC1000	10/09/2025	21:16	PO114336.D	8.67	3.66
AR1268ICC750	AR1268ICC750	10/09/2025	21:34	PO114337.D	8.67	3.66
AR1268ICC500	AR1268ICC500	10/09/2025	21:52	PO114338.D	8.67	3.66
AR1268ICC250	AR1268ICC250	10/09/2025	22:11	PO114339.D	8.67	3.66
AR1268ICC050	AR1268ICC050	10/09/2025	22:29	PO114340.D	8.67	3.66
AR1660CCC500	AR1660CCC500	10/17/2025	09:54	PO114448.D	8.66	3.66
I.BLK	I.BLK	10/17/2025	11:07	PO114452.D	8.67	3.66
PB170141BL	PB170141BL	10/17/2025	12:29	PO114453.D	8.66	3.66
PB170141BS	PB170141BS	10/17/2025	12:47	PO114454.D	8.66	3.66
PR132-SO1-085011-20251015	Q3363-01	10/17/2025	13:04	PO114455.D	8.66	3.66
PR132-SO3-028010-20251015	Q3363-03	10/17/2025	13:41	PO114457.D	8.66	3.66
MH-22MS	Q3369-01MS	10/17/2025	14:18	PO114459.D	8.66	3.66
MH-22MSD	Q3369-01MSD	10/17/2025	14:36	PO114460.D	8.66	3.66
AR1660CCC500	AR1660CCC500	10/17/2025	15:50	PO114461.D	8.67	3.66
I.BLK	I.BLK	10/17/2025	17:04	PO114465.D	8.66	3.66
I.BLK	I.BLK	09/23/2025	08:29	PP075246.D	8.81	3.80
AR1660ICC1000	AR1660ICC1000	09/23/2025	08:45	PP075247.D	8.81	3.80
AR1660ICC750	AR1660ICC750	09/23/2025	09:01	PP075248.D	8.80	3.80

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Analytical Sequence

AR1660ICC500	AR1660ICC500	09/23/2025	09:18	PP075249.D	8.80	3.80
AR1660ICC250	AR1660ICC250	09/23/2025	09:34	PP075250.D	8.80	3.80
AR1660ICC050	AR1660ICC050	09/23/2025	10:11	PP075251.D	8.81	3.80
AR1221ICC500	AR1221ICC500	09/23/2025	10:27	PP075252.D	8.81	3.80
AR1232ICC500	AR1232ICC500	09/23/2025	10:43	PP075253.D	8.81	3.80
AR1242ICC1000	AR1242ICC1000	09/23/2025	11:00	PP075254.D	8.81	3.80
AR1242ICC750	AR1242ICC750	09/23/2025	11:16	PP075255.D	8.81	3.80
AR1242ICC500	AR1242ICC500	09/23/2025	11:32	PP075256.D	8.81	3.80
AR1242ICC250	AR1242ICC250	09/23/2025	11:48	PP075257.D	8.81	3.80
AR1242ICC050	AR1242ICC050	09/23/2025	12:05	PP075258.D	8.80	3.80
AR1248ICC1000	AR1248ICC1000	09/23/2025	12:37	PP075259.D	8.80	3.80
AR1248ICC750	AR1248ICC750	09/23/2025	12:53	PP075260.D	8.81	3.80
AR1248ICC500	AR1248ICC500	09/23/2025	13:10	PP075261.D	8.80	3.80
AR1248ICC250	AR1248ICC250	09/23/2025	13:26	PP075262.D	8.81	3.80
AR1248ICC050	AR1248ICC050	09/23/2025	13:42	PP075263.D	8.80	3.80
AR1254ICC1000	AR1254ICC1000	09/23/2025	14:15	PP075264.D	8.81	3.80
AR1254ICC750	AR1254ICC750	09/23/2025	14:31	PP075265.D	8.81	3.80
AR1254ICC500	AR1254ICC500	09/23/2025	14:47	PP075266.D	8.81	3.80
AR1254ICC250	AR1254ICC250	09/23/2025	15:04	PP075267.D	8.81	3.80
AR1254ICC050	AR1254ICC050	09/23/2025	15:20	PP075268.D	8.81	3.80
AR1262ICC500	AR1262ICC500	09/23/2025	15:52	PP075269.D	8.81	3.80
AR1268ICC1000	AR1268ICC1000	09/23/2025	16:09	PP075270.D	8.81	3.80
AR1268ICC750	AR1268ICC750	09/23/2025	16:25	PP075271.D	8.81	3.80
AR1268ICC500	AR1268ICC500	09/23/2025	16:41	PP075272.D	8.81	3.80
AR1268ICC250	AR1268ICC250	09/23/2025	16:58	PP075273.D	8.80	3.80
AR1268ICC050	AR1268ICC050	09/23/2025	17:14	PP075274.D	8.81	3.80
AR1660CCC500	AR1660CCC500	10/17/2025	09:48	PP075835.D	8.79	3.79
I.BLK	I.BLK	10/17/2025	10:55	PP075839.D	8.79	3.79
PR132-SO3-010013-20251015	Q3363-04	10/17/2025	12:26	PP075840.D	8.79	3.79
COMP01-20251015	Q3363-05	10/17/2025	12:42	PP075841.D	8.79	3.79
AR1660CCC500	AR1660CCC500	10/17/2025	16:18	PP075850.D	8.79	3.79
I.BLK	I.BLK	10/17/2025	17:39	PP075854.D	8.79	3.79
PR132-SO1-039085-20251015	Q3363-02	10/17/2025	19:33	PP075861.D	8.79	3.81
AR1660CCC500	AR1660CCC500	10/17/2025	20:38	PP075862.D	8.79	3.79
I.BLK	I.BLK	10/17/2025	22:16	PP075866.D	8.79	3.79

QC SAMPLE DATA

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Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	PB170141BL	SDG No.:	Q3363
Lab Sample ID:	PB170141BL	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	100
Sample Wt/Vol:	30.02 g Final Vol: 10000 uL	Test:	PCB
Prep Method:	SW3541B Prep Date 10/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	17.0	U	1	3.90	17.0	ug/kg	10/17/25 12:29	PB170141
11104-28-2	Aroclor-1221	17.0	U	1	4.00	17.0	ug/kg	10/17/25 12:29	PB170141
11141-16-5	Aroclor-1232	17.0	U	1	3.70	17.0	ug/kg	10/17/25 12:29	PB170141
53469-21-9	Aroclor-1242	17.0	U	1	4.00	17.0	ug/kg	10/17/25 12:29	PB170141
12672-29-6	Aroclor-1248	17.0	U	1	5.90	17.0	ug/kg	10/17/25 12:29	PB170141
11097-69-1	Aroclor-1254	17.0	U	1	3.20	17.0	ug/kg	10/17/25 12:29	PB170141
37324-23-5	Aroclor-1262	17.0	U	1	5.00	17.0	ug/kg	10/17/25 12:29	PB170141
11100-14-4	Aroclor-1268	17.0	U	1	3.60	17.0	ug/kg	10/17/25 12:29	PB170141
11096-82-5	Aroclor-1260	17.0	U	1	3.20	17.0	ug/kg	10/17/25 12:29	PB170141
SURROGATES									
877-09-8	Tetrachloro-m-xylene	23.9			32 - 144	119%	SPK: 20		
2051-24-3	Decachlorobiphenyl	22.4			32 - 175	112%	SPK: 20		

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	AECOM	Date Collected:	10/09/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/09/25
Client Sample ID:	PIBLK-PO114312.D	SDG No.:	Q3363
Lab Sample ID:	I.BLK-PO114312.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 10000 uL	Test:	PCB
Prep Method:	5030 Prep Date		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	0.50	U	1	0.097	0.50	ug/L	10/09/25	po100925
11104-28-2	Aroclor-1221	0.50	U	1	0.13	0.50	ug/L	10/09/25	po100925
11141-16-5	Aroclor-1232	0.50	U	1	0.096	0.50	ug/L	10/09/25	po100925
53469-21-9	Aroclor-1242	0.50	U	1	0.12	0.50	ug/L	10/09/25	po100925
12672-29-6	Aroclor-1248	0.50	U	1	0.071	0.50	ug/L	10/09/25	po100925
11097-69-1	Aroclor-1254	0.50	U	1	0.094	0.50	ug/L	10/09/25	po100925
11096-82-5	Aroclor-1260	0.50	U	1	0.081	0.50	ug/L	10/09/25	po100925
37324-23-5	Aroclor-1262	0.50	U	1	0.14	0.50	ug/L	10/09/25	po100925
11100-14-4	Aroclor-1268	0.50	U	1	0.11	0.50	ug/L	10/09/25	po100925
SURROGATES									
877-09-8	Tetrachloro-m-xylene	18.6			60 - 140	93%	SPK: 20		
2051-24-3	Decachlorobiphenyl	19.0			60 - 140	95%	SPK: 20		

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	AECOM	Date Collected:	10/17/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/17/25
Client Sample ID:	PIBLK-PO114452.D	SDG No.:	Q3363
Lab Sample ID:	I.BLK-PO114452.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 10000 uL	Test:	PCB
Prep Method:	5030 Prep Date		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	0.50	U	1	0.097	0.50	ug/L	10/17/25	PO101725
11104-28-2	Aroclor-1221	0.50	U	1	0.13	0.50	ug/L	10/17/25	PO101725
11141-16-5	Aroclor-1232	0.50	U	1	0.096	0.50	ug/L	10/17/25	PO101725
53469-21-9	Aroclor-1242	0.50	U	1	0.12	0.50	ug/L	10/17/25	PO101725
12672-29-6	Aroclor-1248	0.50	U	1	0.071	0.50	ug/L	10/17/25	PO101725
11097-69-1	Aroclor-1254	0.50	U	1	0.094	0.50	ug/L	10/17/25	PO101725
11096-82-5	Aroclor-1260	0.50	U	1	0.081	0.50	ug/L	10/17/25	PO101725
37324-23-5	Aroclor-1262	0.50	U	1	0.14	0.50	ug/L	10/17/25	PO101725
11100-14-4	Aroclor-1268	0.50	U	1	0.11	0.50	ug/L	10/17/25	PO101725
SURROGATES									
877-09-8	Tetrachloro-m-xylene	21.2			60 - 140	106%	SPK: 20		
2051-24-3	Decachlorobiphenyl	20.1			60 - 140	101%	SPK: 20		

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	AECOM	Date Collected:	10/17/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/17/25
Client Sample ID:	PIBLK-PO114465.D	SDG No.:	Q3363
Lab Sample ID:	I.BLK-PO114465.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 10000 uL	Test:	PCB
Prep Method:	5030 Prep Date		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	0.50	U	1	0.097	0.50	ug/L	10/17/25	po101725
11104-28-2	Aroclor-1221	0.50	U	1	0.13	0.50	ug/L	10/17/25	po101725
11141-16-5	Aroclor-1232	0.50	U	1	0.096	0.50	ug/L	10/17/25	po101725
53469-21-9	Aroclor-1242	0.50	U	1	0.12	0.50	ug/L	10/17/25	po101725
12672-29-6	Aroclor-1248	0.50	U	1	0.071	0.50	ug/L	10/17/25	po101725
11097-69-1	Aroclor-1254	0.50	U	1	0.094	0.50	ug/L	10/17/25	po101725
11096-82-5	Aroclor-1260	0.50	U	1	0.081	0.50	ug/L	10/17/25	po101725
37324-23-5	Aroclor-1262	0.50	U	1	0.14	0.50	ug/L	10/17/25	po101725
11100-14-4	Aroclor-1268	0.50	U	1	0.11	0.50	ug/L	10/17/25	po101725
SURROGATES									
877-09-8	Tetrachloro-m-xylene	21.8			60 - 140	109%	SPK: 20		
2051-24-3	Decachlorobiphenyl	19.5			60 - 140	97%	SPK: 20		

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
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() = Laboratory InHouse Limit

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Report of Analysis

Client:	AECOM	Date Collected:	09/23/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	09/23/25
Client Sample ID:	PIBLK-PP075246.D	SDG No.:	Q3363
Lab Sample ID:	I.BLK-PP075246.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 10000 uL	Test:	PCB
Prep Method:	5030 Prep Date		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	0.50	U	1	0.097	0.50	ug/L	09/23/25	pp092325
11104-28-2	Aroclor-1221	0.50	U	1	0.13	0.50	ug/L	09/23/25	pp092325
11141-16-5	Aroclor-1232	0.50	U	1	0.096	0.50	ug/L	09/23/25	pp092325
53469-21-9	Aroclor-1242	0.50	U	1	0.12	0.50	ug/L	09/23/25	pp092325
12672-29-6	Aroclor-1248	0.50	U	1	0.071	0.50	ug/L	09/23/25	pp092325
11097-69-1	Aroclor-1254	0.50	U	1	0.094	0.50	ug/L	09/23/25	pp092325
11096-82-5	Aroclor-1260	0.50	U	1	0.081	0.50	ug/L	09/23/25	pp092325
37324-23-5	Aroclor-1262	0.50	U	1	0.14	0.50	ug/L	09/23/25	pp092325
11100-14-4	Aroclor-1268	0.50	U	1	0.11	0.50	ug/L	09/23/25	pp092325
SURROGATES									
877-09-8	Tetrachloro-m-xylene	17.9			60 - 140	90%	SPK: 20		
2051-24-3	Decachlorobiphenyl	19.4			60 - 140	97%	SPK: 20		

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
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Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
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() = Laboratory InHouse Limit

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Report of Analysis

Client:	AECOM	Date Collected:	10/17/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/17/25
Client Sample ID:	PIBLK-PP075839.D	SDG No.:	Q3363
Lab Sample ID:	I.BLK-PP075839.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 10000 uL	Test:	PCB
Prep Method:	5030 Prep Date		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	0.50	U	1	0.097	0.50	ug/L	10/17/25	PP101725
11104-28-2	Aroclor-1221	0.50	U	1	0.13	0.50	ug/L	10/17/25	PP101725
11141-16-5	Aroclor-1232	0.50	U	1	0.096	0.50	ug/L	10/17/25	PP101725
53469-21-9	Aroclor-1242	0.50	U	1	0.12	0.50	ug/L	10/17/25	PP101725
12672-29-6	Aroclor-1248	0.50	U	1	0.071	0.50	ug/L	10/17/25	PP101725
11097-69-1	Aroclor-1254	0.50	U	1	0.094	0.50	ug/L	10/17/25	PP101725
11096-82-5	Aroclor-1260	0.50	U	1	0.081	0.50	ug/L	10/17/25	PP101725
37324-23-5	Aroclor-1262	0.50	U	1	0.14	0.50	ug/L	10/17/25	PP101725
11100-14-4	Aroclor-1268	0.50	U	1	0.11	0.50	ug/L	10/17/25	PP101725
SURROGATES									
877-09-8	Tetrachloro-m-xylene	19.0			60 - 140	95%	SPK: 20		
2051-24-3	Decachlorobiphenyl	20.4			60 - 140	102%	SPK: 20		

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
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Report of Analysis

Client:	AECOM	Date Collected:	10/17/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/17/25
Client Sample ID:	PIBLK-PP075854.D	SDG No.:	Q3363
Lab Sample ID:	I.BLK-PP075854.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 10000 uL	Test:	PCB
Prep Method:	5030 Prep Date		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	0.50	U	1	0.097	0.50	ug/L	10/17/25	pp101725
11104-28-2	Aroclor-1221	0.50	U	1	0.13	0.50	ug/L	10/17/25	pp101725
11141-16-5	Aroclor-1232	0.50	U	1	0.096	0.50	ug/L	10/17/25	pp101725
53469-21-9	Aroclor-1242	0.50	U	1	0.12	0.50	ug/L	10/17/25	pp101725
12672-29-6	Aroclor-1248	0.50	U	1	0.071	0.50	ug/L	10/17/25	pp101725
11097-69-1	Aroclor-1254	0.50	U	1	0.094	0.50	ug/L	10/17/25	pp101725
11096-82-5	Aroclor-1260	0.50	U	1	0.081	0.50	ug/L	10/17/25	pp101725
37324-23-5	Aroclor-1262	0.50	U	1	0.14	0.50	ug/L	10/17/25	pp101725
11100-14-4	Aroclor-1268	0.50	U	1	0.11	0.50	ug/L	10/17/25	pp101725
SURROGATES									
877-09-8	Tetrachloro-m-xylene	18.5			60 - 140	93%	SPK: 20		
2051-24-3	Decachlorobiphenyl	19.1			60 - 140	96%	SPK: 20		

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
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M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
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() = Laboratory InHouse Limit

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Report of Analysis

Client:	AECOM	Date Collected:	10/17/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/17/25
Client Sample ID:	PIBLK-PP075866.D	SDG No.:	Q3363
Lab Sample ID:	I.BLK-PP075866.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 10000 uL	Test:	PCB
Prep Method:	5030 Prep Date		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	0.50	U	1	0.097	0.50	ug/L	10/17/25	pp101725
11104-28-2	Aroclor-1221	0.50	U	1	0.13	0.50	ug/L	10/17/25	pp101725
11141-16-5	Aroclor-1232	0.50	U	1	0.096	0.50	ug/L	10/17/25	pp101725
53469-21-9	Aroclor-1242	0.50	U	1	0.12	0.50	ug/L	10/17/25	pp101725
12672-29-6	Aroclor-1248	0.50	U	1	0.071	0.50	ug/L	10/17/25	pp101725
11097-69-1	Aroclor-1254	0.50	U	1	0.094	0.50	ug/L	10/17/25	pp101725
11096-82-5	Aroclor-1260	0.50	U	1	0.081	0.50	ug/L	10/17/25	pp101725
37324-23-5	Aroclor-1262	0.50	U	1	0.14	0.50	ug/L	10/17/25	pp101725
11100-14-4	Aroclor-1268	0.50	U	1	0.11	0.50	ug/L	10/17/25	pp101725
SURROGATES									
877-09-8	Tetrachloro-m-xylene	18.1			60 - 140	91%	SPK: 20		
2051-24-3	Decachlorobiphenyl	17.9			60 - 140	90%	SPK: 20		

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Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	PB170141BS	SDG No.:	Q3363
Lab Sample ID:	PB170141BS	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	100
Sample Wt/Vol:	30.01 g Final Vol: 10000 uL	Test:	PCB
Prep Method:	SW3541B Prep Date 10/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	167		1	3.90	17.0	ug/kg	10/17/25 12:47	PB170141
11104-28-2	Aroclor-1221	17.0	U	1	4.00	17.0	ug/kg	10/17/25 12:47	PB170141
11141-16-5	Aroclor-1232	17.0	U	1	3.70	17.0	ug/kg	10/17/25 12:47	PB170141
53469-21-9	Aroclor-1242	17.0	U	1	4.00	17.0	ug/kg	10/17/25 12:47	PB170141
12672-29-6	Aroclor-1248	17.0	U	1	5.90	17.0	ug/kg	10/17/25 12:47	PB170141
11097-69-1	Aroclor-1254	17.0	U	1	3.20	17.0	ug/kg	10/17/25 12:47	PB170141
37324-23-5	Aroclor-1262	17.0	U	1	5.00	17.0	ug/kg	10/17/25 12:47	PB170141
11100-14-4	Aroclor-1268	17.0	U	1	3.60	17.0	ug/kg	10/17/25 12:47	PB170141
11096-82-5	Aroclor-1260	169		1	3.20	17.0	ug/kg	10/17/25 12:47	PB170141
SURROGATES									
877-09-8	Tetrachloro-m-xylene	24.6			32 - 144	123%	SPK: 20		
2051-24-3	Decachlorobiphenyl	23.4			32 - 175	117%	SPK: 20		

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P = Indicates >25% difference for detected concentrations between the two GC columns
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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	MH-22MS	SDG No.:	Q3363
Lab Sample ID:	Q3369-01MS	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	89.2
Sample Wt/Vol:	30.05 g Final Vol: 10000 uL	Test:	PCB
Prep Method:	SW3541B Prep Date 10/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	177		1	4.40	19.0	ug/kg	10/17/25 14:18	PB170141
11104-28-2	Aroclor-1221	19.0	U	1	4.50	19.0	ug/kg	10/17/25 14:18	PB170141
11141-16-5	Aroclor-1232	19.0	U	1	4.20	19.0	ug/kg	10/17/25 14:18	PB170141
53469-21-9	Aroclor-1242	19.0	U	1	4.50	19.0	ug/kg	10/17/25 14:18	PB170141
12672-29-6	Aroclor-1248	19.0	U	1	6.60	19.0	ug/kg	10/17/25 14:18	PB170141
11097-69-1	Aroclor-1254	19.0	U	1	3.60	19.0	ug/kg	10/17/25 14:18	PB170141
37324-23-5	Aroclor-1262	19.0	U	1	5.60	19.0	ug/kg	10/17/25 14:18	PB170141
11100-14-4	Aroclor-1268	19.0	U	1	4.00	19.0	ug/kg	10/17/25 14:18	PB170141
11096-82-5	Aroclor-1260	160		1	3.60	19.0	ug/kg	10/17/25 14:18	PB170141
SURROGATES									
877-09-8	Tetrachloro-m-xylene	20.8			32 - 144	104%	SPK: 20		
2051-24-3	Decachlorobiphenyl	16.4			32 - 175	82%	SPK: 20		

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J = Estimated Value
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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	MH-22MSD	SDG No.:	Q3363
Lab Sample ID:	Q3369-01MSD	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	89.2
Sample Wt/Vol:	30.03 g Final Vol: 10000 uL	Test:	PCB
Prep Method:	SW3541B Prep Date 10/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	171		1	4.40	19.0	ug/kg	10/17/25 14:36	PB170141
11104-28-2	Aroclor-1221	19.0	U	1	4.50	19.0	ug/kg	10/17/25 14:36	PB170141
11141-16-5	Aroclor-1232	19.0	U	1	4.20	19.0	ug/kg	10/17/25 14:36	PB170141
53469-21-9	Aroclor-1242	19.0	U	1	4.50	19.0	ug/kg	10/17/25 14:36	PB170141
12672-29-6	Aroclor-1248	19.0	U	1	6.60	19.0	ug/kg	10/17/25 14:36	PB170141
11097-69-1	Aroclor-1254	19.0	U	1	3.60	19.0	ug/kg	10/17/25 14:36	PB170141
37324-23-5	Aroclor-1262	19.0	U	1	5.60	19.0	ug/kg	10/17/25 14:36	PB170141
11100-14-4	Aroclor-1268	19.0	U	1	4.00	19.0	ug/kg	10/17/25 14:36	PB170141
11096-82-5	Aroclor-1260	156		1	3.60	19.0	ug/kg	10/17/25 14:36	PB170141
SURROGATES									
877-09-8	Tetrachloro-m-xylene	20.0			32 - 144	100%	SPK: 20		
2051-24-3	Decachlorobiphenyl	16.4			32 - 175	82%	SPK: 20		

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
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() = Laboratory InHouse Limit

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LAB CHRONICLE

OrderID:	Q3363	**OrderDate:**	10/16/2025 10:56:42 AM
Client:	AECOM	**Project:**	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60697095.171206
Contact:	Rob Forstner	**Location:**	DOCK/YOH Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3363-01	**PR132-SO1-085011-20251015**	**SOIL**			**10/15/25**			**10/15/25**
			Mercury	7471B		10/17/25	10/17/25	
			Metals ICP-TAL	6020B		10/16/25	10/22/25	
Q3363-02	**PR132-SO1-039085-20251015**	**SOIL**			**10/15/25**			**10/15/25**
			Mercury	7471B		10/17/25	10/17/25	
			Metals ICP-TAL	6020B		10/16/25	10/22/25	
Q3363-03	**PR132-SO3-028010-20251015**	**SOIL**			**10/15/25**			**10/15/25**
			Mercury	7471B		10/17/25	10/17/25	
			Metals ICP-TAL	6020B		10/16/25	10/22/25	
Q3363-04	**PR132-SO3-010013-20251015**	**SOIL**			**10/15/25**			**10/15/25**
			Mercury	7471B		10/17/25	10/17/25	
			Metals ICP-TAL	6020B		10/16/25	10/22/25	
Q3363-05	**COMP01-20251015**	**SOIL**			**10/15/25**			**10/15/25**
			Mercury	7471B		10/17/25	10/17/25	
			Metals ICP-TAL	6020B		10/16/25	10/22/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3363 **Order ID:** Q3363

Client: AECOM **Project ID:** AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : PR132-SO1-085011-20251015								
Q3363-01	PR132-SO1-085011-20251015	SOIL	Aluminum	11600		0.67	3.70	mg/Kg
Q3363-01	PR132-SO1-085011-20251015	SOIL	Antimony	0.33	J	0.083	0.37	mg/Kg
Q3363-01	PR132-SO1-085011-20251015	SOIL	Arsenic	43.8		0.022	0.19	mg/Kg
Q3363-01	PR132-SO1-085011-20251015	SOIL	Barium	378		0.061	1.85	mg/Kg
Q3363-01	PR132-SO1-085011-20251015	SOIL	Beryllium	0.85		0.059	0.19	mg/Kg
Q3363-01	PR132-SO1-085011-20251015	SOIL	Cadmium	5.52		0.033	0.19	mg/Kg
Q3363-01	PR132-SO1-085011-20251015	SOIL	Calcium	4900		8.85	92.4	mg/Kg
Q3363-01	PR132-SO1-085011-20251015	SOIL	Chromium	166		0.048	0.37	mg/Kg
Q3363-01	PR132-SO1-085011-20251015	SOIL	Cobalt	9.74		0.017	0.19	mg/Kg
Q3363-01	PR132-SO1-085011-20251015	SOIL	Copper	336		0.12	0.37	mg/Kg
Q3363-01	PR132-SO1-085011-20251015	SOIL	Iron	31700		1.70	9.24	mg/Kg
Q3363-01	PR132-SO1-085011-20251015	SOIL	Lead	536		0.059	0.19	mg/Kg
Q3363-01	PR132-SO1-085011-20251015	SOIL	Magnesium	6070		3.57	92.4	mg/Kg
Q3363-01	PR132-SO1-085011-20251015	SOIL	Manganese	304		0.063	0.19	mg/Kg
Q3363-01	PR132-SO1-085011-20251015	SOIL	Nickel	47.2		0.079	0.19	mg/Kg
Q3363-01	PR132-SO1-085011-20251015	SOIL	Mercury	4.21	D	0.13	0.23	mg/Kg
Q3363-01	PR132-SO1-085011-20251015	SOIL	Potassium	2650		7.10	92.4	mg/Kg
Q3363-01	PR132-SO1-085011-20251015	SOIL	Selenium	3.28		0.52	0.92	mg/Kg
Q3363-01	PR132-SO1-085011-20251015	SOIL	Silver	5.94		0.048	0.19	mg/Kg
Q3363-01	PR132-SO1-085011-20251015	SOIL	Sodium	4340		13.0	92.4	mg/Kg
Q3363-01	PR132-SO1-085011-20251015	SOIL	Thallium	0.45		0.026	0.19	mg/Kg
Q3363-01	PR132-SO1-085011-20251015	SOIL	Vanadium	40.4		0.020	0.92	mg/Kg
Q3363-01	PR132-SO1-085011-20251015	SOIL	Zinc	604		0.17	0.92	mg/Kg
Client ID : PR132-SO1-039085-20251015								
Q3363-02	PR132-SO1-039085-20251015	SOIL	Aluminum	12000		0.56	3.10	mg/Kg
Q3363-02	PR132-SO1-039085-20251015	SOIL	Antimony	0.62		0.070	0.31	mg/Kg
Q3363-02	PR132-SO1-039085-20251015	SOIL	Arsenic	40.7		0.019	0.16	mg/Kg
Q3363-02	PR132-SO1-039085-20251015	SOIL	Barium	327		0.051	1.55	mg/Kg
Q3363-02	PR132-SO1-039085-20251015	SOIL	Beryllium	1.11		0.050	0.16	mg/Kg
Q3363-02	PR132-SO1-039085-20251015	SOIL	Cadmium	10.3		0.028	0.16	mg/Kg
Q3363-02	PR132-SO1-039085-20251015	SOIL	Calcium	8020		7.42	77.5	mg/Kg
Q3363-02	PR132-SO1-039085-20251015	SOIL	Chromium	369	D	0.20	1.55	mg/Kg
Q3363-02	PR132-SO1-039085-20251015	SOIL	Cobalt	12.7		0.014	0.16	mg/Kg
Q3363-02	PR132-SO1-039085-20251015	SOIL	Copper	375		0.10	0.31	mg/Kg
Q3363-02	PR132-SO1-039085-20251015	SOIL	Iron	35300		1.43	7.75	mg/Kg
Q3363-02	PR132-SO1-039085-20251015	SOIL	Lead	548		0.050	0.16	mg/Kg
Q3363-02	PR132-SO1-039085-20251015	SOIL	Magnesium	7460		2.99	77.5	mg/Kg

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Hit Summary Sheet
SW-846

SDG No.: Q3363 **Order ID:** Q3363

Client: AECOM **Project ID:** AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q3363-02	PR132-SO1-039085-20251015	SOIL	Manganese	322		0.053	0.16	mg/Kg
Q3363-02	PR132-SO1-039085-20251015	SOIL	Nickel	83.0		0.067	0.16	mg/Kg
Q3363-02	PR132-SO1-039085-20251015	SOIL	Mercury	18.4	D	0.57	1.03	mg/Kg
Q3363-02	PR132-SO1-039085-20251015	SOIL	Potassium	2530		5.95	77.5	mg/Kg
Q3363-02	PR132-SO1-039085-20251015	SOIL	Selenium	2.37		0.43	0.78	mg/Kg
Q3363-02	PR132-SO1-039085-20251015	SOIL	Silver	8.31		0.040	0.16	mg/Kg
Q3363-02	PR132-SO1-039085-20251015	SOIL	Sodium	5680		10.9	77.5	mg/Kg
Q3363-02	PR132-SO1-039085-20251015	SOIL	Thallium	0.36		0.022	0.16	mg/Kg
Q3363-02	PR132-SO1-039085-20251015	SOIL	Vanadium	65.6		0.017	0.78	mg/Kg
Q3363-02	PR132-SO1-039085-20251015	SOIL	Zinc	647		0.14	0.78	mg/Kg
Client ID :	**PR132-SO3-028010-20251015**							
Q3363-03	PR132-SO3-028010-20251015	SOIL	Aluminum	8670		0.61	3.38	mg/Kg
Q3363-03	PR132-SO3-028010-20251015	SOIL	Antimony	0.77		0.076	0.34	mg/Kg
Q3363-03	PR132-SO3-028010-20251015	SOIL	Arsenic	26.8		0.020	0.17	mg/Kg
Q3363-03	PR132-SO3-028010-20251015	SOIL	Barium	247		0.056	1.69	mg/Kg
Q3363-03	PR132-SO3-028010-20251015	SOIL	Beryllium	0.74		0.054	0.17	mg/Kg
Q3363-03	PR132-SO3-028010-20251015	SOIL	Cadmium	8.00		0.030	0.17	mg/Kg
Q3363-03	PR132-SO3-028010-20251015	SOIL	Calcium	6840		8.09	84.5	mg/Kg
Q3363-03	PR132-SO3-028010-20251015	SOIL	Chromium	226	D	0.22	1.69	mg/Kg
Q3363-03	PR132-SO3-028010-20251015	SOIL	Cobalt	10.7		0.015	0.17	mg/Kg
Q3363-03	PR132-SO3-028010-20251015	SOIL	Copper	305		0.11	0.34	mg/Kg
Q3363-03	PR132-SO3-028010-20251015	SOIL	Iron	23700		1.55	8.45	mg/Kg
Q3363-03	PR132-SO3-028010-20251015	SOIL	Lead	701		0.054	0.17	mg/Kg
Q3363-03	PR132-SO3-028010-20251015	SOIL	Magnesium	7250		3.26	84.5	mg/Kg
Q3363-03	PR132-SO3-028010-20251015	SOIL	Manganese	193		0.057	0.17	mg/Kg
Q3363-03	PR132-SO3-028010-20251015	SOIL	Nickel	85.3		0.073	0.17	mg/Kg
Q3363-03	PR132-SO3-028010-20251015	SOIL	Mercury	6.99	D	0.14	0.26	mg/Kg
Q3363-03	PR132-SO3-028010-20251015	SOIL	Potassium	1780		6.49	84.5	mg/Kg
Q3363-03	PR132-SO3-028010-20251015	SOIL	Selenium	1.67		0.47	0.85	mg/Kg
Q3363-03	PR132-SO3-028010-20251015	SOIL	Silver	5.78		0.044	0.17	mg/Kg
Q3363-03	PR132-SO3-028010-20251015	SOIL	Sodium	5540		11.9	84.5	mg/Kg
Q3363-03	PR132-SO3-028010-20251015	SOIL	Thallium	0.25		0.024	0.17	mg/Kg
Q3363-03	PR132-SO3-028010-20251015	SOIL	Vanadium	62.0		0.019	0.85	mg/Kg
Q3363-03	PR132-SO3-028010-20251015	SOIL	Zinc	597		0.15	0.85	mg/Kg
Client ID :	**PR132-SO3-010013-20251015**							
Q3363-04	PR132-SO3-010013-20251015	SOIL	Aluminum	13100		0.58	3.24	mg/Kg
Q3363-04	PR132-SO3-010013-20251015	SOIL	Antimony	0.29	J	0.073	0.32	mg/Kg
Q3363-04	PR132-SO3-010013-20251015	SOIL	Arsenic	54.4		0.019	0.16	mg/Kg
Q3363-04	PR132-SO3-010013-20251015	SOIL	Barium	391		0.053	1.62	mg/Kg

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Hit Summary Sheet
SW-846

SDG No.: Q3363 **Order ID:** Q3363

Client: AECOM **Project ID:** AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q3363-04	PR132-SO3-010013-20251015	SOIL	Beryllium	0.97		0.052	0.16	mg/Kg
Q3363-04	PR132-SO3-010013-20251015	SOIL	Cadmium	3.09		0.029	0.16	mg/Kg
Q3363-04	PR132-SO3-010013-20251015	SOIL	Calcium	6360		7.75	80.9	mg/Kg
Q3363-04	PR132-SO3-010013-20251015	SOIL	Chromium	157		0.042	0.32	mg/Kg
Q3363-04	PR132-SO3-010013-20251015	SOIL	Cobalt	11.4		0.015	0.16	mg/Kg
Q3363-04	PR132-SO3-010013-20251015	SOIL	Copper	325		0.11	0.32	mg/Kg
Q3363-04	PR132-SO3-010013-20251015	SOIL	Iron	33500		1.49	8.09	mg/Kg
Q3363-04	PR132-SO3-010013-20251015	SOIL	Lead	574		0.052	0.16	mg/Kg
Q3363-04	PR132-SO3-010013-20251015	SOIL	Magnesium	7150		3.12	80.9	mg/Kg
Q3363-04	PR132-SO3-010013-20251015	SOIL	Manganese	402		0.055	0.16	mg/Kg
Q3363-04	PR132-SO3-010013-20251015	SOIL	Nickel	49.2		0.070	0.16	mg/Kg
Q3363-04	PR132-SO3-010013-20251015	SOIL	Mercury	5.84	D	0.13	0.23	mg/Kg
Q3363-04	PR132-SO3-010013-20251015	SOIL	Potassium	2870		6.21	80.9	mg/Kg
Q3363-04	PR132-SO3-010013-20251015	SOIL	Selenium	4.91	D	2.27	4.05	mg/Kg
Q3363-04	PR132-SO3-010013-20251015	SOIL	Silver	4.66		0.042	0.16	mg/Kg
Q3363-04	PR132-SO3-010013-20251015	SOIL	Sodium	4850		11.4	80.9	mg/Kg
Q3363-04	PR132-SO3-010013-20251015	SOIL	Thallium	0.48		0.023	0.16	mg/Kg
Q3363-04	PR132-SO3-010013-20251015	SOIL	Vanadium	45.6		0.018	0.81	mg/Kg
Q3363-04	PR132-SO3-010013-20251015	SOIL	Zinc	526		0.15	0.81	mg/Kg
Client ID :	**COMP01-20251015**							
Q3363-05	COMP01-20251015	SOIL	Aluminum	18800	D	2.80	15.6	mg/Kg
Q3363-05	COMP01-20251015	SOIL	Antimony	0.15	J	0.070	0.31	mg/Kg
Q3363-05	COMP01-20251015	SOIL	Arsenic	72.7	D	0.093	0.78	mg/Kg
Q3363-05	COMP01-20251015	SOIL	Barium	137		0.051	1.56	mg/Kg
Q3363-05	COMP01-20251015	SOIL	Beryllium	1.10		0.050	0.16	mg/Kg
Q3363-05	COMP01-20251015	SOIL	Cadmium	0.98		0.028	0.16	mg/Kg
Q3363-05	COMP01-20251015	SOIL	Calcium	5160		7.45	77.8	mg/Kg
Q3363-05	COMP01-20251015	SOIL	Chromium	81.8		0.040	0.31	mg/Kg
Q3363-05	COMP01-20251015	SOIL	Cobalt	13.9		0.014	0.16	mg/Kg
Q3363-05	COMP01-20251015	SOIL	Copper	207		0.10	0.31	mg/Kg
Q3363-05	COMP01-20251015	SOIL	Iron	45900	D	7.16	38.9	mg/Kg
Q3363-05	COMP01-20251015	SOIL	Lead	406		0.050	0.16	mg/Kg
Q3363-05	COMP01-20251015	SOIL	Magnesium	7760		3.00	77.8	mg/Kg
Q3363-05	COMP01-20251015	SOIL	Manganese	836		0.053	0.16	mg/Kg
Q3363-05	COMP01-20251015	SOIL	Nickel	45.6		0.067	0.16	mg/Kg
Q3363-05	COMP01-20251015	SOIL	Mercury	6.07	D	0.14	0.25	mg/Kg
Q3363-05	COMP01-20251015	SOIL	Potassium	3190		5.98	77.8	mg/Kg
Q3363-05	COMP01-20251015	SOIL	Silver	1.34		0.040	0.16	mg/Kg
Q3363-05	COMP01-20251015	SOIL	Sodium	3530		10.9	77.8	mg/Kg
Q3363-05	COMP01-20251015	SOIL	Thallium	0.24		0.022	0.16	mg/Kg

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Hit Summary Sheet
SW-846

SDG No.: Q3363 **Order ID:** Q3363

Client: AECOM **Project ID:** AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q3363-05	COMP01-20251015	SOIL	Vanadium	45.6		0.017	0.78	mg/Kg
Q3363-05	COMP01-20251015	SOIL	Zinc	308		0.14	0.78	mg/Kg

SAMPLE DATA

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Report of Analysis

Client:	AECOM	Date Collected:	10/15/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	PR132-SO1-085011-20251015	SDG No.:	Q3363
Lab Sample ID:	Q3363-01	Matrix:	SOIL
Level (low/med):	low	% Solid:	50.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	11600		1	0.67	3.70	mg/Kg	10/16/25 14:05	10/22/25 14:21	6020B	SW3050
7440-36-0	Antimony	0.33	J	1	0.083	0.37	mg/Kg	10/16/25 14:05	10/22/25 14:21	6020B	SW3050
7440-38-2	Arsenic	43.8	N	1	0.022	0.19	mg/Kg	10/16/25 14:05	10/22/25 14:21	6020B	SW3050
7440-39-3	Barium	378		1	0.061	1.85	mg/Kg	10/16/25 14:05	10/22/25 14:21	6020B	SW3050
7440-41-7	Beryllium	0.85		1	0.059	0.19	mg/Kg	10/16/25 14:05	10/22/25 14:21	6020B	SW3050
7440-43-9	Cadmium	5.52		1	0.033	0.19	mg/Kg	10/16/25 14:05	10/22/25 14:21	6020B	SW3050
7440-70-2	Calcium	4900	N	1	8.85	92.4	mg/Kg	10/16/25 14:05	10/22/25 14:21	6020B	SW3050
7440-47-3	Chromium	166	N	1	0.048	0.37	mg/Kg	10/16/25 14:05	10/22/25 14:21	6020B	SW3050
7440-48-4	Cobalt	9.74		1	0.017	0.19	mg/Kg	10/16/25 14:05	10/22/25 14:21	6020B	SW3050
7440-50-8	Copper	336	N	1	0.12	0.37	mg/Kg	10/16/25 14:05	10/22/25 14:21	6020B	SW3050
7439-89-6	Iron	31700		1	1.70	9.24	mg/Kg	10/16/25 14:05	10/22/25 14:21	6020B	SW3050
7439-92-1	Lead	536		1	0.059	0.19	mg/Kg	10/16/25 14:05	10/22/25 14:21	6020B	SW3050
7439-95-4	Magnesium	6070	N	1	3.57	92.4	mg/Kg	10/16/25 14:05	10/22/25 14:21	6020B	SW3050
7439-96-5	Manganese	304	N	1	0.063	0.19	mg/Kg	10/16/25 14:05	10/22/25 14:21	6020B	SW3050
7439-97-6	Mercury	4.21	D	10	0.13	0.23	mg/Kg	10/17/25 08:10	10/17/25 11:27	7471B	7471B
7440-02-0	Nickel	47.2	N	1	0.079	0.19	mg/Kg	10/16/25 14:05	10/22/25 14:21	6020B	SW3050
7440-09-7	Potassium	2650	N	1	7.10	92.4	mg/Kg	10/16/25 14:05	10/22/25 14:21	6020B	SW3050
7782-49-2	Selenium	3.28		1	0.52	0.92	mg/Kg	10/16/25 14:05	10/22/25 14:21	6020B	SW3050
7440-22-4	Silver	5.94	N	1	0.048	0.19	mg/Kg	10/16/25 14:05	10/22/25 14:21	6020B	SW3050
7440-23-5	Sodium	4340		1	13.0	92.4	mg/Kg	10/16/25 14:05	10/22/25 14:21	6020B	SW3050
7440-28-0	Thallium	0.45		1	0.026	0.19	mg/Kg	10/16/25 14:05	10/22/25 14:21	6020B	SW3050
7440-62-2	Vanadium	40.4		1	0.020	0.92	mg/Kg	10/16/25 14:05	10/22/25 14:21	6020B	SW3050
7440-66-6	Zinc	604	N	1	0.17	0.92	mg/Kg	10/16/25 14:05	10/22/25 14:21	6020B	SW3050

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	AECOM	Date Collected:	10/15/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	PR132-SO1-039085-20251015	SDG No.:	Q3363
Lab Sample ID:	Q3363-02	Matrix:	SOIL
Level (low/med):	low	% Solid:	56.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	12000		1	0.56	3.10	mg/Kg	10/16/25 14:05	10/22/25 14:24	6020B	SW3050
7440-36-0	Antimony	0.62		1	0.070	0.31	mg/Kg	10/16/25 14:05	10/22/25 14:24	6020B	SW3050
7440-38-2	Arsenic	40.7	N	1	0.019	0.16	mg/Kg	10/16/25 14:05	10/22/25 14:24	6020B	SW3050
7440-39-3	Barium	327		1	0.051	1.55	mg/Kg	10/16/25 14:05	10/22/25 14:24	6020B	SW3050
7440-41-7	Beryllium	1.11		1	0.050	0.16	mg/Kg	10/16/25 14:05	10/22/25 14:24	6020B	SW3050
7440-43-9	Cadmium	10.3		1	0.028	0.16	mg/Kg	10/16/25 14:05	10/22/25 14:24	6020B	SW3050
7440-70-2	Calcium	8020	N	1	7.42	77.5	mg/Kg	10/16/25 14:05	10/22/25 14:24	6020B	SW3050
7440-47-3	Chromium	369	DN	5	0.20	1.55	mg/Kg	10/16/25 14:05	10/22/25 19:12	6020B	SW3050
7440-48-4	Cobalt	12.7		1	0.014	0.16	mg/Kg	10/16/25 14:05	10/22/25 14:24	6020B	SW3050
7440-50-8	Copper	375	N	1	0.10	0.31	mg/Kg	10/16/25 14:05	10/22/25 14:24	6020B	SW3050
7439-89-6	Iron	35300		1	1.43	7.75	mg/Kg	10/16/25 14:05	10/22/25 14:24	6020B	SW3050
7439-92-1	Lead	548		1	0.050	0.16	mg/Kg	10/16/25 14:05	10/22/25 14:24	6020B	SW3050
7439-95-4	Magnesium	7460	N	1	2.99	77.5	mg/Kg	10/16/25 14:05	10/22/25 14:24	6020B	SW3050
7439-96-5	Manganese	322	N	1	0.053	0.16	mg/Kg	10/16/25 14:05	10/22/25 14:24	6020B	SW3050
7439-97-6	Mercury	18.4	D	50	0.57	1.03	mg/Kg	10/17/25 08:10	10/17/25 11:41	7471B	7471B
7440-02-0	Nickel	83.0	N	1	0.067	0.16	mg/Kg	10/16/25 14:05	10/22/25 14:24	6020B	SW3050
7440-09-7	Potassium	2530	N	1	5.95	77.5	mg/Kg	10/16/25 14:05	10/22/25 14:24	6020B	SW3050
7782-49-2	Selenium	2.37		1	0.43	0.78	mg/Kg	10/16/25 14:05	10/22/25 14:24	6020B	SW3050
7440-22-4	Silver	8.31	N	1	0.040	0.16	mg/Kg	10/16/25 14:05	10/22/25 14:24	6020B	SW3050
7440-23-5	Sodium	5680		1	10.9	77.5	mg/Kg	10/16/25 14:05	10/22/25 14:24	6020B	SW3050
7440-28-0	Thallium	0.36		1	0.022	0.16	mg/Kg	10/16/25 14:05	10/22/25 14:24	6020B	SW3050
7440-62-2	Vanadium	65.6		1	0.017	0.78	mg/Kg	10/16/25 14:05	10/22/25 14:24	6020B	SW3050
7440-66-6	Zinc	647	N	1	0.14	0.78	mg/Kg	10/16/25 14:05	10/22/25 14:24	6020B	SW3050

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OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	AECOM	Date Collected:	10/15/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	PR132-SO3-028010-20251015	SDG No.:	Q3363
Lab Sample ID:	Q3363-03	Matrix:	SOIL
Level (low/med):	low	% Solid:	54.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	8670		1	0.61	3.38	mg/Kg	10/16/25 14:05	10/22/25 14:27	6020B	SW3050
7440-36-0	Antimony	0.77		1	0.076	0.34	mg/Kg	10/16/25 14:05	10/22/25 14:27	6020B	SW3050
7440-38-2	Arsenic	26.8	N	1	0.020	0.17	mg/Kg	10/16/25 14:05	10/22/25 14:27	6020B	SW3050
7440-39-3	Barium	247		1	0.056	1.69	mg/Kg	10/16/25 14:05	10/22/25 14:27	6020B	SW3050
7440-41-7	Beryllium	0.74		1	0.054	0.17	mg/Kg	10/16/25 14:05	10/22/25 14:27	6020B	SW3050
7440-43-9	Cadmium	8.00		1	0.030	0.17	mg/Kg	10/16/25 14:05	10/22/25 14:27	6020B	SW3050
7440-70-2	Calcium	6840	N	1	8.09	84.5	mg/Kg	10/16/25 14:05	10/22/25 14:27	6020B	SW3050
7440-47-3	Chromium	226	DN	5	0.22	1.69	mg/Kg	10/16/25 14:05	10/22/25 19:15	6020B	SW3050
7440-48-4	Cobalt	10.7		1	0.015	0.17	mg/Kg	10/16/25 14:05	10/22/25 14:27	6020B	SW3050
7440-50-8	Copper	305	N	1	0.11	0.34	mg/Kg	10/16/25 14:05	10/22/25 14:27	6020B	SW3050
7439-89-6	Iron	23700		1	1.55	8.45	mg/Kg	10/16/25 14:05	10/22/25 14:27	6020B	SW3050
7439-92-1	Lead	701		1	0.054	0.17	mg/Kg	10/16/25 14:05	10/22/25 14:27	6020B	SW3050
7439-95-4	Magnesium	7250	N	1	3.26	84.5	mg/Kg	10/16/25 14:05	10/22/25 14:27	6020B	SW3050
7439-96-5	Manganese	193	N	1	0.057	0.17	mg/Kg	10/16/25 14:05	10/22/25 14:27	6020B	SW3050
7439-97-6	Mercury	6.99	D	10	0.14	0.26	mg/Kg	10/17/25 08:10	10/17/25 11:33	7471B	7471B
7440-02-0	Nickel	85.3	N	1	0.073	0.17	mg/Kg	10/16/25 14:05	10/22/25 14:27	6020B	SW3050
7440-09-7	Potassium	1780	N	1	6.49	84.5	mg/Kg	10/16/25 14:05	10/22/25 14:27	6020B	SW3050
7782-49-2	Selenium	1.67		1	0.47	0.85	mg/Kg	10/16/25 14:05	10/22/25 14:27	6020B	SW3050
7440-22-4	Silver	5.78	N	1	0.044	0.17	mg/Kg	10/16/25 14:05	10/22/25 14:27	6020B	SW3050
7440-23-5	Sodium	5540		1	11.9	84.5	mg/Kg	10/16/25 14:05	10/22/25 14:27	6020B	SW3050
7440-28-0	Thallium	0.25		1	0.024	0.17	mg/Kg	10/16/25 14:05	10/22/25 14:27	6020B	SW3050
7440-62-2	Vanadium	62.0		1	0.019	0.85	mg/Kg	10/16/25 14:05	10/22/25 14:27	6020B	SW3050
7440-66-6	Zinc	597	N	1	0.15	0.85	mg/Kg	10/16/25 14:05	10/22/25 14:27	6020B	SW3050

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LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
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OR = Over Range
N =Spiked sample recovery not within control limits

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	AECOM	Date Collected:	10/15/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	PR132-SO3-010013-20251015	SDG No.:	Q3363
Lab Sample ID:	Q3363-04	Matrix:	SOIL
Level (low/med):	low	% Solid:	51.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	13100		1	0.58	3.24	mg/Kg	10/16/25 14:05	10/22/25 14:30	6020B	SW3050
7440-36-0	Antimony	0.29	J	1	0.073	0.32	mg/Kg	10/16/25 14:05	10/22/25 14:30	6020B	SW3050
7440-38-2	Arsenic	54.4	N	1	0.019	0.16	mg/Kg	10/16/25 14:05	10/22/25 14:30	6020B	SW3050
7440-39-3	Barium	391		1	0.053	1.62	mg/Kg	10/16/25 14:05	10/22/25 14:30	6020B	SW3050
7440-41-7	Beryllium	0.97		1	0.052	0.16	mg/Kg	10/16/25 14:05	10/22/25 14:30	6020B	SW3050
7440-43-9	Cadmium	3.09		1	0.029	0.16	mg/Kg	10/16/25 14:05	10/22/25 14:30	6020B	SW3050
7440-70-2	Calcium	6360	N	1	7.75	80.9	mg/Kg	10/16/25 14:05	10/22/25 14:30	6020B	SW3050
7440-47-3	Chromium	157	N	1	0.042	0.32	mg/Kg	10/16/25 14:05	10/22/25 14:30	6020B	SW3050
7440-48-4	Cobalt	11.4		1	0.015	0.16	mg/Kg	10/16/25 14:05	10/22/25 14:30	6020B	SW3050
7440-50-8	Copper	325	N	1	0.11	0.32	mg/Kg	10/16/25 14:05	10/22/25 14:30	6020B	SW3050
7439-89-6	Iron	33500		1	1.49	8.09	mg/Kg	10/16/25 14:05	10/22/25 14:30	6020B	SW3050
7439-92-1	Lead	574		1	0.052	0.16	mg/Kg	10/16/25 14:05	10/22/25 14:30	6020B	SW3050
7439-95-4	Magnesium	7150	N	1	3.12	80.9	mg/Kg	10/16/25 14:05	10/22/25 14:30	6020B	SW3050
7439-96-5	Manganese	402	N	1	0.055	0.16	mg/Kg	10/16/25 14:05	10/22/25 14:30	6020B	SW3050
7439-97-6	Mercury	5.84	D	10	0.13	0.23	mg/Kg	10/17/25 08:10	10/17/25 11:35	7471B	7471B
7440-02-0	Nickel	49.2	N	1	0.070	0.16	mg/Kg	10/16/25 14:05	10/22/25 14:30	6020B	SW3050
7440-09-7	Potassium	2870	N	1	6.21	80.9	mg/Kg	10/16/25 14:05	10/22/25 14:30	6020B	SW3050
7782-49-2	Selenium	4.91	D	5	2.27	4.05	mg/Kg	10/16/25 14:05	10/22/25 19:18	6020B	SW3050
7440-22-4	Silver	4.66	N	1	0.042	0.16	mg/Kg	10/16/25 14:05	10/22/25 14:30	6020B	SW3050
7440-23-5	Sodium	4850		1	11.4	80.9	mg/Kg	10/16/25 14:05	10/22/25 14:30	6020B	SW3050
7440-28-0	Thallium	0.48		1	0.023	0.16	mg/Kg	10/16/25 14:05	10/22/25 14:30	6020B	SW3050
7440-62-2	Vanadium	45.6		1	0.018	0.81	mg/Kg	10/16/25 14:05	10/22/25 14:30	6020B	SW3050
7440-66-6	Zinc	526	N	1	0.15	0.81	mg/Kg	10/16/25 14:05	10/22/25 14:30	6020B	SW3050

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D = Dilution
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Report of Analysis

Client:	AECOM	Date Collected:	10/15/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	COMP01-20251015	SDG No.:	Q3363
Lab Sample ID:	Q3363-05	Matrix:	SOIL
Level (low/med):	low	% Solid:	55.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	18800	D	5	2.80	15.6	mg/Kg	10/16/25 14:05	10/22/25 19:22	6020B	SW3050
7440-36-0	Antimony	0.15	J	1	0.070	0.31	mg/Kg	10/16/25 14:05	10/22/25 14:34	6020B	SW3050
7440-38-2	Arsenic	72.7	DN	5	0.093	0.78	mg/Kg	10/16/25 14:05	10/22/25 19:22	6020B	SW3050
7440-39-3	Barium	137		1	0.051	1.56	mg/Kg	10/16/25 14:05	10/22/25 14:34	6020B	SW3050
7440-41-7	Beryllium	1.10		1	0.050	0.16	mg/Kg	10/16/25 14:05	10/22/25 14:34	6020B	SW3050
7440-43-9	Cadmium	0.98		1	0.028	0.16	mg/Kg	10/16/25 14:05	10/22/25 14:34	6020B	SW3050
7440-70-2	Calcium	5160	N	1	7.45	77.8	mg/Kg	10/16/25 14:05	10/22/25 14:34	6020B	SW3050
7440-47-3	Chromium	81.8	N	1	0.040	0.31	mg/Kg	10/16/25 14:05	10/22/25 14:34	6020B	SW3050
7440-48-4	Cobalt	13.9		1	0.014	0.16	mg/Kg	10/16/25 14:05	10/22/25 14:34	6020B	SW3050
7440-50-8	Copper	207	N	1	0.10	0.31	mg/Kg	10/16/25 14:05	10/22/25 14:34	6020B	SW3050
7439-89-6	Iron	45900	D	5	7.16	38.9	mg/Kg	10/16/25 14:05	10/22/25 19:22	6020B	SW3050
7439-92-1	Lead	406		1	0.050	0.16	mg/Kg	10/16/25 14:05	10/22/25 14:34	6020B	SW3050
7439-95-4	Magnesium	7760	N	1	3.00	77.8	mg/Kg	10/16/25 14:05	10/22/25 14:34	6020B	SW3050
7439-96-5	Manganese	836	N	1	0.053	0.16	mg/Kg	10/16/25 14:05	10/22/25 14:34	6020B	SW3050
7439-97-6	Mercury	6.07	D	10	0.14	0.25	mg/Kg	10/17/25 08:10	10/17/25 11:38	7471B	7471B
7440-02-0	Nickel	45.6	N	1	0.067	0.16	mg/Kg	10/16/25 14:05	10/22/25 14:34	6020B	SW3050
7440-09-7	Potassium	3190	N	1	5.98	77.8	mg/Kg	10/16/25 14:05	10/22/25 14:34	6020B	SW3050
7782-49-2	Selenium	3.89	UD	5	2.18	3.89	mg/Kg	10/16/25 14:05	10/22/25 19:22	6020B	SW3050
7440-22-4	Silver	1.34	N	1	0.040	0.16	mg/Kg	10/16/25 14:05	10/22/25 14:34	6020B	SW3050
7440-23-5	Sodium	3530		1	10.9	77.8	mg/Kg	10/16/25 14:05	10/22/25 14:34	6020B	SW3050
7440-28-0	Thallium	0.24		1	0.022	0.16	mg/Kg	10/16/25 14:05	10/22/25 14:34	6020B	SW3050
7440-62-2	Vanadium	45.6		1	0.017	0.78	mg/Kg	10/16/25 14:05	10/22/25 14:34	6020B	SW3050
7440-66-6	Zinc	308	N	1	0.14	0.78	mg/Kg	10/16/25 14:05	10/22/25 14:34	6020B	SW3050

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METAL CALIBRATION DATA

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Fax : 908 789 8922

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM **SDG No.:** Q3363

Contract: AECO02 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV77	Mercury	3.87	4.0	97	90 - 110	CV	10/17/2025	10:10	LB137570

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM **SDG No.:** Q3363

Contract: AECO02 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV50	Mercury	4.76	5.0	95	90 - 110	CV	10/17/2025	10:15	LB137570
CCV51	Mercury	4.98	5.0	100	90 - 110	CV	10/17/2025	10:44	LB137570
CCV52	Mercury	5.12	5.0	102	90 - 110	CV	10/17/2025	11:16	LB137570
CCV53	Mercury	5.24	5.0	105	90 - 110	CV	10/17/2025	11:43	LB137570

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Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM **SDG No.:** Q3363

Contract: AECO02 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Aluminum	1540	1600	96	90 - 110	P	10/22/2025	12:38	LB137619
	Antimony	422	400	106	90 - 110	P	10/22/2025	12:38	LB137619
	Arsenic	362	400	90	90 - 110	P	10/22/2025	12:38	LB137619
	Barium	1640	1600	103	90 - 110	P	10/22/2025	12:38	LB137619
	Beryllium	42.9	40.0	107	90 - 110	P	10/22/2025	12:38	LB137619
	Cadmium	215	200	107	90 - 110	P	10/22/2025	12:38	LB137619
	Calcium	4260	4000	106	90 - 110	P	10/22/2025	12:38	LB137619
	Chromium	160	160	100	90 - 110	P	10/22/2025	12:38	LB137619
	Cobalt	406	400	101	90 - 110	P	10/22/2025	12:38	LB137619
	Copper	189	200	95	90 - 110	P	10/22/2025	12:38	LB137619
	Iron	863	800	108	90 - 110	P	10/22/2025	12:38	LB137619
	Lead	383	400	96	90 - 110	P	10/22/2025	12:38	LB137619
	Magnesium	3720	4000	93	90 - 110	P	10/22/2025	12:38	LB137619
	Manganese	363	400	91	90 - 110	P	10/22/2025	12:38	LB137619
	Nickel	404	400	101	90 - 110	P	10/22/2025	12:38	LB137619
	Potassium	4110	4000	103	90 - 110	P	10/22/2025	12:38	LB137619
	Selenium	417	400	104	90 - 110	P	10/22/2025	12:38	LB137619
	Silver	213	200	106	90 - 110	P	10/22/2025	12:38	LB137619
	Sodium	4030	4000	101	90 - 110	P	10/22/2025	12:38	LB137619
	Thallium	389	400	97	90 - 110	P	10/22/2025	12:38	LB137619
	Vanadium	402	400	101	90 - 110	P	10/22/2025	12:38	LB137619
	Zinc	380	400	95	90 - 110	P	10/22/2025	12:38	LB137619

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Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM **SDG No.:** Q3363

Contract: AECO02 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Aluminum	20.7	20.0	104	80 - 120	P	10/22/2025	13:12	LB137619
	Antimony	2.09	2.0	104	80 - 120	P	10/22/2025	13:12	LB137619
	Arsenic	1.20	1.0	120	80 - 120	P	10/22/2025	13:12	LB137619
	Barium	9.64	10.0	96	80 - 120	P	10/22/2025	13:12	LB137619
	Beryllium	1.11	1.0	111	80 - 120	P	10/22/2025	13:12	LB137619
	Cadmium	0.81	1.0	81	80 - 120	P	10/22/2025	13:12	LB137619
	Calcium	528	500	106	80 - 120	P	10/22/2025	13:12	LB137619
	Chromium	1.93	2.0	96	80 - 120	P	10/22/2025	13:12	LB137619
	Cobalt	1.03	1.0	103	80 - 120	P	10/22/2025	13:12	LB137619
	Copper	1.95	2.0	98	80 - 120	P	10/22/2025	13:12	LB137619
	Iron	59.8	50.0	120	80 - 120	P	10/22/2025	13:12	LB137619
	Lead	0.82	1.0	82	80 - 120	P	10/22/2025	13:12	LB137619
	Magnesium	479	500	96	80 - 120	P	10/22/2025	13:12	LB137619
	Manganese	1.03	1.0	103	80 - 120	P	10/22/2025	13:12	LB137619
	Nickel	1.07	1.0	107	80 - 120	P	10/22/2025	13:12	LB137619
	Potassium	524	500	105	80 - 120	P	10/22/2025	13:12	LB137619
	Selenium	4.39	5.0	88	80 - 120	P	10/22/2025	13:12	LB137619
	Silver	1.10	1.0	110	80 - 120	P	10/22/2025	13:12	LB137619
	Sodium	492	500	98	80 - 120	P	10/22/2025	13:12	LB137619
	Thallium	0.95	1.0	95	80 - 120	P	10/22/2025	13:12	LB137619
	Vanadium	4.93	5.0	99	80 - 120	P	10/22/2025	13:12	LB137619
	Zinc	5.69	5.0	114	80 - 120	P	10/22/2025	13:12	LB137619

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM **SDG No.:** Q3363

Contract: AECO02 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Aluminum	50200	50000	100	90 - 110	P	10/22/2025	13:27	LB137619
	Antimony	504	500	101	90 - 110	P	10/22/2025	13:27	LB137619
	Arsenic	491	500	98	90 - 110	P	10/22/2025	13:27	LB137619
	Barium	2490	2500	100	90 - 110	P	10/22/2025	13:27	LB137619
	Beryllium	490	500	98	90 - 110	P	10/22/2025	13:27	LB137619
	Cadmium	482	500	96	90 - 110	P	10/22/2025	13:27	LB137619
	Calcium	241000	250000	96	90 - 110	P	10/22/2025	13:27	LB137619
	Chromium	489	500	98	90 - 110	P	10/22/2025	13:27	LB137619
	Cobalt	499	500	100	90 - 110	P	10/22/2025	13:27	LB137619
	Copper	4850	5000	97	90 - 110	P	10/22/2025	13:27	LB137619
	Iron	129000	125000	103	90 - 110	P	10/22/2025	13:27	LB137619
	Lead	2470	2500	99	90 - 110	P	10/22/2025	13:27	LB137619
	Magnesium	252000	250000	101	90 - 110	P	10/22/2025	13:27	LB137619
	Manganese	4970	5000	99	90 - 110	P	10/22/2025	13:27	LB137619
	Nickel	481	500	96	90 - 110	P	10/22/2025	13:27	LB137619
	Potassium	126000	125000	101	90 - 110	P	10/22/2025	13:27	LB137619
	Selenium	460	500	92	90 - 110	P	10/22/2025	13:27	LB137619
	Silver	495	500	99	90 - 110	P	10/22/2025	13:27	LB137619
	Sodium	252000	250000	101	90 - 110	P	10/22/2025	13:27	LB137619
	Thallium	502	500	100	90 - 110	P	10/22/2025	13:27	LB137619
	Vanadium	506	500	101	90 - 110	P	10/22/2025	13:27	LB137619
	Zinc	4780	5000	96	90 - 110	P	10/22/2025	13:27	LB137619
CCV02	Aluminum	50600	50000	101	90 - 110	P	10/22/2025	14:11	LB137619
	Antimony	515	500	103	90 - 110	P	10/22/2025	14:11	LB137619
	Arsenic	488	500	98	90 - 110	P	10/22/2025	14:11	LB137619
	Barium	2590	2500	104	90 - 110	P	10/22/2025	14:11	LB137619
	Beryllium	504	500	101	90 - 110	P	10/22/2025	14:11	LB137619
	Cadmium	497	500	99	90 - 110	P	10/22/2025	14:11	LB137619
	Calcium	251000	250000	100	90 - 110	P	10/22/2025	14:11	LB137619
	Chromium	494	500	99	90 - 110	P	10/22/2025	14:11	LB137619
	Cobalt	494	500	99	90 - 110	P	10/22/2025	14:11	LB137619
	Copper	4940	5000	99	90 - 110	P	10/22/2025	14:11	LB137619
	Iron	129000	125000	103	90 - 110	P	10/22/2025	14:11	LB137619
	Lead	2550	2500	102	90 - 110	P	10/22/2025	14:11	LB137619

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM **SDG No.:** Q3363

Contract: AECO02 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Magnesium	252000	250000	101	90 - 110	P	10/22/2025	14:11	LB137619
	Manganese	5010	5000	100	90 - 110	P	10/22/2025	14:11	LB137619
	Nickel	486	500	97	90 - 110	P	10/22/2025	14:11	LB137619
	Potassium	128000	125000	102	90 - 110	P	10/22/2025	14:11	LB137619
	Selenium	469	500	94	90 - 110	P	10/22/2025	14:11	LB137619
	Silver	511	500	102	90 - 110	P	10/22/2025	14:11	LB137619
	Sodium	254000	250000	102	90 - 110	P	10/22/2025	14:11	LB137619
	Thallium	527	500	106	90 - 110	P	10/22/2025	14:11	LB137619
	Vanadium	507	500	101	90 - 110	P	10/22/2025	14:11	LB137619
	Zinc	4770	5000	96	90 - 110	P	10/22/2025	14:11	LB137619
CCV03	Aluminum	49800	50000	100	90 - 110	P	10/22/2025	14:54	LB137619
	Antimony	522	500	104	90 - 110	P	10/22/2025	14:54	LB137619
	Arsenic	493	500	99	90 - 110	P	10/22/2025	14:54	LB137619
	Barium	2570	2500	103	90 - 110	P	10/22/2025	14:54	LB137619
	Beryllium	511	500	102	90 - 110	P	10/22/2025	14:54	LB137619
	Cadmium	504	500	101	90 - 110	P	10/22/2025	14:54	LB137619
	Calcium	256000	250000	102	90 - 110	P	10/22/2025	14:54	LB137619
	Chromium	494	500	99	90 - 110	P	10/22/2025	14:54	LB137619
	Cobalt	496	500	99	90 - 110	P	10/22/2025	14:54	LB137619
	Copper	4940	5000	99	90 - 110	P	10/22/2025	14:54	LB137619
	Iron	130000	125000	104	90 - 110	P	10/22/2025	14:54	LB137619
	Lead	2570	2500	103	90 - 110	P	10/22/2025	14:54	LB137619
	Magnesium	254000	250000	102	90 - 110	P	10/22/2025	14:54	LB137619
	Manganese	5110	5000	102	90 - 110	P	10/22/2025	14:54	LB137619
	Nickel	484	500	97	90 - 110	P	10/22/2025	14:54	LB137619
	Potassium	126000	125000	101	90 - 110	P	10/22/2025	14:54	LB137619
	Selenium	480	500	96	90 - 110	P	10/22/2025	14:54	LB137619
	Silver	522	500	104	90 - 110	P	10/22/2025	14:54	LB137619
	Sodium	251000	250000	100	90 - 110	P	10/22/2025	14:54	LB137619
	Thallium	524	500	105	90 - 110	P	10/22/2025	14:54	LB137619
	Vanadium	508	500	102	90 - 110	P	10/22/2025	14:54	LB137619
	Zinc	4800	5000	96	90 - 110	P	10/22/2025	14:54	LB137619
CCV04	Aluminum	51200	50000	102	90 - 110	P	10/22/2025	15:45	LB137619
	Antimony	514	500	103	90 - 110	P	10/22/2025	15:45	LB137619

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM **SDG No.:** Q3363

Contract: AECO02 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV04	Arsenic	493	500	99	90 - 110	P	10/22/2025	15:45	LB137619
	Barium	2560	2500	102	90 - 110	P	10/22/2025	15:45	LB137619
	Beryllium	511	500	102	90 - 110	P	10/22/2025	15:45	LB137619
	Cadmium	497	500	99	90 - 110	P	10/22/2025	15:45	LB137619
	Calcium	257000	250000	103	90 - 110	P	10/22/2025	15:45	LB137619
	Chromium	505	500	101	90 - 110	P	10/22/2025	15:45	LB137619
	Cobalt	497	500	99	90 - 110	P	10/22/2025	15:45	LB137619
	Copper	5000	5000	100	90 - 110	P	10/22/2025	15:45	LB137619
	Iron	131000	125000	105	90 - 110	P	10/22/2025	15:45	LB137619
	Lead	2530	2500	101	90 - 110	P	10/22/2025	15:45	LB137619
	Magnesium	253000	250000	101	90 - 110	P	10/22/2025	15:45	LB137619
	Manganese	5090	5000	102	90 - 110	P	10/22/2025	15:45	LB137619
	Nickel	487	500	98	90 - 110	P	10/22/2025	15:45	LB137619
	Potassium	128000	125000	102	90 - 110	P	10/22/2025	15:45	LB137619
	Selenium	480	500	96	90 - 110	P	10/22/2025	15:45	LB137619
	Silver	513	500	103	90 - 110	P	10/22/2025	15:45	LB137619
	Sodium	253000	250000	101	90 - 110	P	10/22/2025	15:45	LB137619
	Thallium	522	500	104	90 - 110	P	10/22/2025	15:45	LB137619
	Vanadium	508	500	102	90 - 110	P	10/22/2025	15:45	LB137619
	Zinc	4860	5000	97	90 - 110	P	10/22/2025	15:45	LB137619
CCV05	Aluminum	50100	50000	100	90 - 110	P	10/22/2025	16:46	LB137619
	Antimony	513	500	103	90 - 110	P	10/22/2025	16:46	LB137619
	Arsenic	488	500	98	90 - 110	P	10/22/2025	16:46	LB137619
	Barium	2570	2500	103	90 - 110	P	10/22/2025	16:46	LB137619
	Beryllium	490	500	98	90 - 110	P	10/22/2025	16:46	LB137619
	Cadmium	493	500	99	90 - 110	P	10/22/2025	16:46	LB137619
	Calcium	248000	250000	99	90 - 110	P	10/22/2025	16:46	LB137619
	Chromium	496	500	99	90 - 110	P	10/22/2025	16:46	LB137619
	Cobalt	498	500	100	90 - 110	P	10/22/2025	16:46	LB137619
	Copper	4940	5000	99	90 - 110	P	10/22/2025	16:46	LB137619
	Iron	131000	125000	104	90 - 110	P	10/22/2025	16:46	LB137619
	Lead	2580	2500	103	90 - 110	P	10/22/2025	16:46	LB137619
	Magnesium	250000	250000	100	90 - 110	P	10/22/2025	16:46	LB137619
	Manganese	4980	5000	100	90 - 110	P	10/22/2025	16:46	LB137619

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM **SDG No.:** Q3363

Contract: AECO02 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV05	Nickel	481	500	96	90 - 110	P	10/22/2025	16:46	LB137619
	Potassium	126000	125000	101	90 - 110	P	10/22/2025	16:46	LB137619
	Selenium	473	500	95	90 - 110	P	10/22/2025	16:46	LB137619
	Silver	508	500	102	90 - 110	P	10/22/2025	16:46	LB137619
	Sodium	252000	250000	101	90 - 110	P	10/22/2025	16:46	LB137619
	Thallium	518	500	104	90 - 110	P	10/22/2025	16:46	LB137619
	Vanadium	503	500	101	90 - 110	P	10/22/2025	16:46	LB137619
	Zinc	4810	5000	96	90 - 110	P	10/22/2025	16:46	LB137619
CCV06	Aluminum	50300	50000	101	90 - 110	P	10/22/2025	17:59	LB137619
	Antimony	490	500	98	90 - 110	P	10/22/2025	17:59	LB137619
	Arsenic	484	500	97	90 - 110	P	10/22/2025	17:59	LB137619
	Barium	2460	2500	98	90 - 110	P	10/22/2025	17:59	LB137619
	Beryllium	514	500	103	90 - 110	P	10/22/2025	17:59	LB137619
	Cadmium	468	500	94	90 - 110	P	10/22/2025	17:59	LB137619
	Calcium	255000	250000	102	90 - 110	P	10/22/2025	17:59	LB137619
	Chromium	494	500	99	90 - 110	P	10/22/2025	17:59	LB137619
	Cobalt	495	500	99	90 - 110	P	10/22/2025	17:59	LB137619
	Copper	4930	5000	99	90 - 110	P	10/22/2025	17:59	LB137619
	Iron	130000	125000	104	90 - 110	P	10/22/2025	17:59	LB137619
	Lead	2550	2500	102	90 - 110	P	10/22/2025	17:59	LB137619
	Magnesium	256000	250000	102	90 - 110	P	10/22/2025	17:59	LB137619
	Manganese	5040	5000	101	90 - 110	P	10/22/2025	17:59	LB137619
	Nickel	481	500	96	90 - 110	P	10/22/2025	17:59	LB137619
	Potassium	125000	125000	100	90 - 110	P	10/22/2025	17:59	LB137619
	Selenium	470	500	94	90 - 110	P	10/22/2025	17:59	LB137619
	Silver	484	500	97	90 - 110	P	10/22/2025	17:59	LB137619
	Sodium	252000	250000	101	90 - 110	P	10/22/2025	17:59	LB137619
	Thallium	510	500	102	90 - 110	P	10/22/2025	17:59	LB137619
	Vanadium	503	500	101	90 - 110	P	10/22/2025	17:59	LB137619
	Zinc	4870	5000	98	90 - 110	P	10/22/2025	17:59	LB137619
CCV07	Aluminum	49700	50000	99	90 - 110	P	10/22/2025	18:41	LB137619
	Antimony	505	500	101	90 - 110	P	10/22/2025	18:41	LB137619
	Arsenic	487	500	97	90 - 110	P	10/22/2025	18:41	LB137619
	Barium	2530	2500	101	90 - 110	P	10/22/2025	18:41	LB137619

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM **SDG No.:** Q3363

Contract: AECO02 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV07	Beryllium	504	500	101	90 - 110	P	10/22/2025	18:41	LB137619
	Cadmium	484	500	97	90 - 110	P	10/22/2025	18:41	LB137619
	Calcium	256000	250000	102	90 - 110	P	10/22/2025	18:41	LB137619
	Chromium	496	500	99	90 - 110	P	10/22/2025	18:41	LB137619
	Cobalt	497	500	99	90 - 110	P	10/22/2025	18:41	LB137619
	Copper	5000	5000	100	90 - 110	P	10/22/2025	18:41	LB137619
	Iron	132000	125000	105	90 - 110	P	10/22/2025	18:41	LB137619
	Lead	2550	2500	102	90 - 110	P	10/22/2025	18:41	LB137619
	Magnesium	253000	250000	101	90 - 110	P	10/22/2025	18:41	LB137619
	Manganese	5030	5000	101	90 - 110	P	10/22/2025	18:41	LB137619
	Nickel	482	500	96	90 - 110	P	10/22/2025	18:41	LB137619
	Potassium	126000	125000	101	90 - 110	P	10/22/2025	18:41	LB137619
	Selenium	467	500	93	90 - 110	P	10/22/2025	18:41	LB137619
	Silver	500	500	100	90 - 110	P	10/22/2025	18:41	LB137619
	Sodium	253000	250000	101	90 - 110	P	10/22/2025	18:41	LB137619
	Thallium	530	500	106	90 - 110	P	10/22/2025	18:41	LB137619
	Vanadium	502	500	100	90 - 110	P	10/22/2025	18:41	LB137619
	Zinc	4890	5000	98	90 - 110	P	10/22/2025	18:41	LB137619
CCV08	Aluminum	50200	50000	100	90 - 110	P	10/22/2025	19:44	LB137619
	Antimony	512	500	102	90 - 110	P	10/22/2025	19:44	LB137619
	Arsenic	486	500	97	90 - 110	P	10/22/2025	19:44	LB137619
	Barium	2540	2500	102	90 - 110	P	10/22/2025	19:44	LB137619
	Beryllium	513	500	102	90 - 110	P	10/22/2025	19:44	LB137619
	Cadmium	483	500	97	90 - 110	P	10/22/2025	19:44	LB137619
	Calcium	256000	250000	103	90 - 110	P	10/22/2025	19:44	LB137619
	Chromium	504	500	101	90 - 110	P	10/22/2025	19:44	LB137619
	Cobalt	508	500	102	90 - 110	P	10/22/2025	19:44	LB137619
	Copper	5120	5000	102	90 - 110	P	10/22/2025	19:44	LB137619
	Iron	132000	125000	106	90 - 110	P	10/22/2025	19:44	LB137619
	Lead	2560	2500	102	90 - 110	P	10/22/2025	19:44	LB137619
	Magnesium	255000	250000	102	90 - 110	P	10/22/2025	19:44	LB137619
	Manganese	5090	5000	102	90 - 110	P	10/22/2025	19:44	LB137619
	Nickel	492	500	98	90 - 110	P	10/22/2025	19:44	LB137619
	Potassium	128000	125000	102	90 - 110	P	10/22/2025	19:44	LB137619

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM **SDG No.:** Q3363

Contract: AECO02 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV08	Selenium	473	500	95	90 - 110	P	10/22/2025	19:44	LB137619
	Silver	504	500	101	90 - 110	P	10/22/2025	19:44	LB137619
	Sodium	256000	250000	102	90 - 110	P	10/22/2025	19:44	LB137619
	Thallium	525	500	105	90 - 110	P	10/22/2025	19:44	LB137619
	Vanadium	510	500	102	90 - 110	P	10/22/2025	19:44	LB137619
	Zinc	4950	5000	99	90 - 110	P	10/22/2025	19:44	LB137619
CCV09	Aluminum	52600	50000	105	90 - 110	P	10/22/2025	20:28	LB137619
	Antimony	536	500	107	90 - 110	P	10/22/2025	20:28	LB137619
	Arsenic	508	500	102	90 - 110	P	10/22/2025	20:28	LB137619
	Barium	2660	2500	106	90 - 110	P	10/22/2025	20:28	LB137619
	Beryllium	534	500	107	90 - 110	P	10/22/2025	20:28	LB137619
	Cadmium	504	500	101	90 - 110	P	10/22/2025	20:28	LB137619
	Calcium	261000	250000	104	90 - 110	P	10/22/2025	20:28	LB137619
	Chromium	521	500	104	90 - 110	P	10/22/2025	20:28	LB137619
	Cobalt	527	500	105	90 - 110	P	10/22/2025	20:28	LB137619
	Copper	5240	5000	105	90 - 110	P	10/22/2025	20:28	LB137619
	Iron	137000	125000	109	90 - 110	P	10/22/2025	20:28	LB137619
	Lead	2650	2500	106	90 - 110	P	10/22/2025	20:28	LB137619
	Magnesium	263000	250000	105	90 - 110	P	10/22/2025	20:28	LB137619
	Manganese	5330	5000	107	90 - 110	P	10/22/2025	20:28	LB137619
	Nickel	507	500	102	90 - 110	P	10/22/2025	20:28	LB137619
	Potassium	130000	125000	104	90 - 110	P	10/22/2025	20:28	LB137619
	Selenium	489	500	98	90 - 110	P	10/22/2025	20:28	LB137619
	Silver	530	500	106	90 - 110	P	10/22/2025	20:28	LB137619
	Sodium	262000	250000	105	90 - 110	P	10/22/2025	20:28	LB137619
	Thallium	542	500	108	90 - 110	P	10/22/2025	20:28	LB137619
	Vanadium	529	500	106	90 - 110	P	10/22/2025	20:28	LB137619
	Zinc	5160	5000	103	90 - 110	P	10/22/2025	20:28	LB137619
CCV10	Aluminum	50800	50000	102	90 - 110	P	10/22/2025	21:03	LB137619
	Antimony	520	500	104	90 - 110	P	10/22/2025	21:03	LB137619
	Arsenic	496	500	99	90 - 110	P	10/22/2025	21:03	LB137619
	Barium	2600	2500	104	90 - 110	P	10/22/2025	21:03	LB137619
	Beryllium	519	500	104	90 - 110	P	10/22/2025	21:03	LB137619
	Cadmium	492	500	98	90 - 110	P	10/22/2025	21:03	LB137619

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM **SDG No.:** Q3363

Contract: AECO02 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV10	Calcium	256000	250000	102	90 - 110	P	10/22/2025	21:03	LB137619
	Chromium	516	500	103	90 - 110	P	10/22/2025	21:03	LB137619
	Cobalt	528	500	106	90 - 110	P	10/22/2025	21:03	LB137619
	Copper	5240	5000	105	90 - 110	P	10/22/2025	21:03	LB137619
	Iron	137000	125000	110	90 - 110	P	10/22/2025	21:03	LB137619
	Lead	2650	2500	106	90 - 110	P	10/22/2025	21:03	LB137619
	Magnesium	259000	250000	104	90 - 110	P	10/22/2025	21:03	LB137619
	Manganese	5280	5000	106	90 - 110	P	10/22/2025	21:03	LB137619
	Nickel	501	500	100	90 - 110	P	10/22/2025	21:03	LB137619
	Potassium	130000	125000	104	90 - 110	P	10/22/2025	21:03	LB137619
	Selenium	495	500	99	90 - 110	P	10/22/2025	21:03	LB137619
	Silver	516	500	103	90 - 110	P	10/22/2025	21:03	LB137619
	Sodium	260000	250000	104	90 - 110	P	10/22/2025	21:03	LB137619
	Thallium	535	500	107	90 - 110	P	10/22/2025	21:03	LB137619
	Vanadium	527	500	106	90 - 110	P	10/22/2025	21:03	LB137619
	Zinc	5100	5000	102	90 - 110	P	10/22/2025	21:03	LB137619

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Metals

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CRDL STANDARD FOR AA & ICP

Client: AECOM **SDG No.:** Q3363

Contract: AECO02 **Lab Code:** ACE

Initial Calibration Source:

Continuing Calibration Source:

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRA	Mercury	0.16	0.2	80	70 - 130	CV	10/17/2025	10:20	LB137570
CRI01	Aluminum	20.9	20.0	105	70 - 130	P	10/22/2025	13:33	LB137619
	Antimony	2.06	2.0	103	70 - 130	P	10/22/2025	13:33	LB137619
	Arsenic	1.12	1.0	112	70 - 130	P	10/22/2025	13:33	LB137619
	Barium	9.63	10.0	96	70 - 130	P	10/22/2025	13:33	LB137619
	Beryllium	1.08	1.0	108	70 - 130	P	10/22/2025	13:33	LB137619
	Cadmium	0.86	1.0	86	70 - 130	P	10/22/2025	13:33	LB137619
	Calcium	532	500	106	70 - 130	P	10/22/2025	13:33	LB137619
	Chromium	1.99	2.0	100	70 - 130	P	10/22/2025	13:33	LB137619
	Cobalt	1.05	1.0	105	50 - 150	P	10/22/2025	13:33	LB137619
	Copper	2.06	2.0	103	70 - 130	P	10/22/2025	13:33	LB137619
	Iron	60.0	50.0	120	70 - 130	P	10/22/2025	13:33	LB137619
	Lead	0.86	1.0	86	70 - 130	P	10/22/2025	13:33	LB137619
	Magnesium	489	500	98	70 - 130	P	10/22/2025	13:33	LB137619
	Manganese	1.05	1.0	105	50 - 150	P	10/22/2025	13:33	LB137619
	Nickel	1.13	1.0	113	70 - 130	P	10/22/2025	13:33	LB137619
	Potassium	537	500	108	70 - 130	P	10/22/2025	13:33	LB137619
	Selenium	4.66	5.0	93	70 - 130	P	10/22/2025	13:33	LB137619
	Silver	1.12	1.0	112	70 - 130	P	10/22/2025	13:33	LB137619
	Sodium	532	500	106	70 - 130	P	10/22/2025	13:33	LB137619
	Thallium	1.00	1.0	100	70 - 130	P	10/22/2025	13:33	LB137619
	Vanadium	4.93	5.0	99	70 - 130	P	10/22/2025	13:33	LB137619
	Zinc	5.85	5.0	117	50 - 150	P	10/22/2025	13:33	LB137619

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3363

Contract: AECO02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB77	Mercury	0.076	+/-0.2	U	0.20	CV	10/17/2025	10:12	LB137570

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3363

Contract: AECO02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB50	Mercury	0.076	+/-0.2	U	0.20	CV	10/17/2025	10:17	LB137570
CCB51	Mercury	0.076	+/-0.2	U	0.20	CV	10/17/2025	10:47	LB137570
CCB52	Mercury	0.076	+/-0.2	U	0.20	CV	10/17/2025	11:18	LB137570
CCB53	Mercury	0.076	+/-0.2	U	0.20	CV	10/17/2025	11:46	LB137570

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3363

Contract: AECO02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	1.94	+/-10	U	20.0	P	10/22/2025	13:16	LB137619
	Antimony	0.11	+/-1	U	2.00	P	10/22/2025	13:16	LB137619
	Arsenic	0.089	+/-0.5	U	1.00	P	10/22/2025	13:16	LB137619
	Barium	0.21	+/-5	U	10.0	P	10/22/2025	13:16	LB137619
	Beryllium	0.32	+/-0.5	U	1.00	P	10/22/2025	13:16	LB137619
	Cadmium	0.34	+/-0.5	U	1.00	P	10/22/2025	13:16	LB137619
	Calcium	45.7	+/-250	U	500	P	10/22/2025	13:16	LB137619
	Chromium	0.21	+/-1	U	2.00	P	10/22/2025	13:16	LB137619
	Cobalt	0.070	+/-0.5	U	1.00	P	10/22/2025	13:16	LB137619
	Copper	0.30	+/-1	U	2.00	P	10/22/2025	13:16	LB137619
	Iron	7.81	+/-25	U	50.0	P	10/22/2025	13:16	LB137619
	Lead	0.21	+/-0.5	U	1.00	P	10/22/2025	13:16	LB137619
	Magnesium	19.5	+/-250	U	500	P	10/22/2025	13:16	LB137619
	Manganese	0.43	+/-0.5	U	1.00	P	10/22/2025	13:16	LB137619
	Nickel	0.27	+/-0.5	U	1.00	P	10/22/2025	13:16	LB137619
	Potassium	36.4	+/-250	U	500	P	10/22/2025	13:16	LB137619
	Selenium	2.90	+/-2.5	U	5.00	P	10/22/2025	13:16	LB137619
	Silver	0.060	+/-0.5	U	1.00	P	10/22/2025	13:16	LB137619
	Sodium	128	+/-250	U	500	P	10/22/2025	13:16	LB137619
	Thallium	0.060	+/-0.5	U	1.00	P	10/22/2025	13:16	LB137619
	Vanadium	0.077	+/-2.5	U	5.00	P	10/22/2025	13:16	LB137619
	Zinc	1.25	+/-2.5	U	5.00	P	10/22/2025	13:16	LB137619

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3363

Contract: AECO02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	1.94	+/-10	U	20.0	P	10/22/2025	13:30	LB137619
	Antimony	0.17	+/-1	J	2.00	P	10/22/2025	13:30	LB137619
	Arsenic	0.089	+/-0.5	U	1.00	P	10/22/2025	13:30	LB137619
	Barium	0.21	+/-5	U	10.0	P	10/22/2025	13:30	LB137619
	Beryllium	0.32	+/-0.5	U	1.00	P	10/22/2025	13:30	LB137619
	Cadmium	0.34	+/-0.5	U	1.00	P	10/22/2025	13:30	LB137619
	Calcium	45.7	+/-250	U	500	P	10/22/2025	13:30	LB137619
	Chromium	0.21	+/-1	U	2.00	P	10/22/2025	13:30	LB137619
	Cobalt	0.070	+/-0.5	U	1.00	P	10/22/2025	13:30	LB137619
	Copper	0.30	+/-1	U	2.00	P	10/22/2025	13:30	LB137619
	Iron	7.81	+/-25	U	50.0	P	10/22/2025	13:30	LB137619
	Lead	0.21	+/-0.5	U	1.00	P	10/22/2025	13:30	LB137619
	Magnesium	19.5	+/-250	U	500	P	10/22/2025	13:30	LB137619
	Manganese	0.43	+/-0.5	U	1.00	P	10/22/2025	13:30	LB137619
	Nickel	0.27	+/-0.5	U	1.00	P	10/22/2025	13:30	LB137619
	Potassium	36.4	+/-250	U	500	P	10/22/2025	13:30	LB137619
	Selenium	2.90	+/-2.5	U	5.00	P	10/22/2025	13:30	LB137619
	Silver	0.060	+/-0.5	U	1.00	P	10/22/2025	13:30	LB137619
	Sodium	128	+/-250	U	500	P	10/22/2025	13:30	LB137619
	Thallium	0.080	+/-0.5	J	1.00	P	10/22/2025	13:30	LB137619
	Vanadium	0.077	+/-2.5	U	5.00	P	10/22/2025	13:30	LB137619
	Zinc	1.25	+/-2.5	U	5.00	P	10/22/2025	13:30	LB137619
CCB02	Aluminum	1.94	+/-10	U	20.0	P	10/22/2025	14:18	LB137619
	Antimony	0.11	+/-1	U	2.00	P	10/22/2025	14:18	LB137619
	Arsenic	0.089	+/-0.5	U	1.00	P	10/22/2025	14:18	LB137619
	Barium	0.21	+/-5	U	10.0	P	10/22/2025	14:18	LB137619
	Beryllium	0.32	+/-0.5	U	1.00	P	10/22/2025	14:18	LB137619
	Cadmium	0.34	+/-0.5	U	1.00	P	10/22/2025	14:18	LB137619
	Calcium	45.7	+/-250	U	500	P	10/22/2025	14:18	LB137619
	Chromium	0.21	+/-1	U	2.00	P	10/22/2025	14:18	LB137619
	Cobalt	0.070	+/-0.5	U	1.00	P	10/22/2025	14:18	LB137619
	Copper	0.30	+/-1	U	2.00	P	10/22/2025	14:18	LB137619
	Iron	7.81	+/-25	U	50.0	P	10/22/2025	14:18	LB137619
	Lead	0.21	+/-0.5	U	1.00	P	10/22/2025	14:18	LB137619
	Magnesium	19.5	+/-250	U	500	P	10/22/2025	14:18	LB137619
	Manganese	0.43	+/-0.5	U	1.00	P	10/22/2025	14:18	LB137619
	Nickel	0.27	+/-0.5	U	1.00	P	10/22/2025	14:18	LB137619
	Potassium	36.4	+/-250	U	500	P	10/22/2025	14:18	LB137619
	Selenium	2.90	+/-2.5	U	5.00	P	10/22/2025	14:18	LB137619

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3363

Contract: AECO02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	0.060	+/-0.5	U	1.00	P	10/22/2025	14:18	LB137619
	Sodium	128	+/-250	U	500	P	10/22/2025	14:18	LB137619
	Thallium	0.060	+/-0.5	U	1.00	P	10/22/2025	14:18	LB137619
	Vanadium	0.077	+/-2.5	U	5.00	P	10/22/2025	14:18	LB137619
	Zinc	1.25	+/-2.5	U	5.00	P	10/22/2025	14:18	LB137619
CCB03	Aluminum	1.94	+/-10	U	20.0	P	10/22/2025	15:05	LB137619
	Antimony	0.11	+/-1	U	2.00	P	10/22/2025	15:05	LB137619
	Arsenic	0.089	+/-0.5	U	1.00	P	10/22/2025	15:05	LB137619
	Barium	0.21	+/-5	U	10.0	P	10/22/2025	15:05	LB137619
	Beryllium	0.32	+/-0.5	U	1.00	P	10/22/2025	15:05	LB137619
	Cadmium	0.34	+/-0.5	U	1.00	P	10/22/2025	15:05	LB137619
	Calcium	45.7	+/-250	U	500	P	10/22/2025	15:05	LB137619
	Chromium	0.21	+/-1	U	2.00	P	10/22/2025	15:05	LB137619
	Cobalt	0.070	+/-0.5	U	1.00	P	10/22/2025	15:05	LB137619
	Copper	0.30	+/-1	U	2.00	P	10/22/2025	15:05	LB137619
	Iron	7.81	+/-25	U	50.0	P	10/22/2025	15:05	LB137619
	Lead	0.21	+/-0.5	U	1.00	P	10/22/2025	15:05	LB137619
	Magnesium	19.5	+/-250	U	500	P	10/22/2025	15:05	LB137619
	Manganese	0.43	+/-0.5	U	1.00	P	10/22/2025	15:05	LB137619
	Nickel	0.27	+/-0.5	U	1.00	P	10/22/2025	15:05	LB137619
	Potassium	36.4	+/-250	U	500	P	10/22/2025	15:05	LB137619
	Selenium	2.90	+/-2.5	U	5.00	P	10/22/2025	15:05	LB137619
	Silver	0.060	+/-0.5	U	1.00	P	10/22/2025	15:05	LB137619
	Sodium	128	+/-250	U	500	P	10/22/2025	15:05	LB137619
	Thallium	0.060	+/-0.5	U	1.00	P	10/22/2025	15:05	LB137619
	Vanadium	0.077	+/-2.5	U	5.00	P	10/22/2025	15:05	LB137619
	Zinc	1.25	+/-2.5	U	5.00	P	10/22/2025	15:05	LB137619
CCB04	Aluminum	1.94	+/-10	U	20.0	P	10/22/2025	16:00	LB137619
	Antimony	0.11	+/-1	U	2.00	P	10/22/2025	16:00	LB137619
	Arsenic	0.089	+/-0.5	U	1.00	P	10/22/2025	16:00	LB137619
	Barium	0.21	+/-5	U	10.0	P	10/22/2025	16:00	LB137619
	Beryllium	0.32	+/-0.5	U	1.00	P	10/22/2025	16:00	LB137619
	Cadmium	0.34	+/-0.5	U	1.00	P	10/22/2025	16:00	LB137619
	Calcium	45.7	+/-250	U	500	P	10/22/2025	16:00	LB137619
	Chromium	0.21	+/-1	U	2.00	P	10/22/2025	16:00	LB137619
	Cobalt	0.070	+/-0.5	U	1.00	P	10/22/2025	16:00	LB137619
	Copper	0.30	+/-1	U	2.00	P	10/22/2025	16:00	LB137619
	Iron	7.81	+/-25	U	50.0	P	10/22/2025	16:00	LB137619
	Lead	0.21	+/-0.5	U	1.00	P	10/22/2025	16:00	LB137619

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3363

Contract: AECO02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Magnesium	19.5	+/-250	U	500	P	10/22/2025	16:00	LB137619
	Manganese	0.43	+/-0.5	U	1.00	P	10/22/2025	16:00	LB137619
	Nickel	0.27	+/-0.5	U	1.00	P	10/22/2025	16:00	LB137619
	Potassium	36.4	+/-250	U	500	P	10/22/2025	16:00	LB137619
	Selenium	2.90	+/-2.5	U	5.00	P	10/22/2025	16:00	LB137619
	Silver	0.060	+/-0.5	U	1.00	P	10/22/2025	16:00	LB137619
	Sodium	128	+/-250	U	500	P	10/22/2025	16:00	LB137619
	Thallium	0.060	+/-0.5	U	1.00	P	10/22/2025	16:00	LB137619
	Vanadium	0.077	+/-2.5	U	5.00	P	10/22/2025	16:00	LB137619
	Zinc	1.25	+/-2.5	U	5.00	P	10/22/2025	16:00	LB137619
CCB05	Aluminum	1.94	+/-10	U	20.0	P	10/22/2025	16:55	LB137619
	Antimony	0.11	+/-1	U	2.00	P	10/22/2025	16:55	LB137619
	Arsenic	0.089	+/-0.5	U	1.00	P	10/22/2025	16:55	LB137619
	Barium	0.21	+/-5	U	10.0	P	10/22/2025	16:55	LB137619
	Beryllium	0.32	+/-0.5	U	1.00	P	10/22/2025	16:55	LB137619
	Cadmium	0.34	+/-0.5	U	1.00	P	10/22/2025	16:55	LB137619
	Calcium	45.7	+/-250	U	500	P	10/22/2025	16:55	LB137619
	Chromium	0.21	+/-1	U	2.00	P	10/22/2025	16:55	LB137619
	Cobalt	0.070	+/-0.5	U	1.00	P	10/22/2025	16:55	LB137619
	Copper	0.30	+/-1	U	2.00	P	10/22/2025	16:55	LB137619
	Iron	7.81	+/-25	U	50.0	P	10/22/2025	16:55	LB137619
	Lead	0.21	+/-0.5	U	1.00	P	10/22/2025	16:55	LB137619
	Magnesium	19.5	+/-250	U	500	P	10/22/2025	16:55	LB137619
	Manganese	0.43	+/-0.5	U	1.00	P	10/22/2025	16:55	LB137619
	Nickel	0.27	+/-0.5	U	1.00	P	10/22/2025	16:55	LB137619
	Potassium	36.4	+/-250	U	500	P	10/22/2025	16:55	LB137619
	Selenium	2.90	+/-2.5	U	5.00	P	10/22/2025	16:55	LB137619
	Silver	0.060	+/-0.5	U	1.00	P	10/22/2025	16:55	LB137619
	Sodium	182	+/-250	J	500	P	10/22/2025	16:55	LB137619
	Thallium	0.060	+/-0.5	U	1.00	P	10/22/2025	16:55	LB137619
	Vanadium	0.077	+/-2.5	U	5.00	P	10/22/2025	16:55	LB137619
	Zinc	1.25	+/-2.5	U	5.00	P	10/22/2025	16:55	LB137619
CCB06	Aluminum	1.94	+/-10	U	20.0	P	10/22/2025	18:10	LB137619
	Antimony	0.11	+/-1	U	2.00	P	10/22/2025	18:10	LB137619
	Arsenic	0.089	+/-0.5	U	1.00	P	10/22/2025	18:10	LB137619
	Barium	0.21	+/-5	U	10.0	P	10/22/2025	18:10	LB137619
	Beryllium	0.32	+/-0.5	U	1.00	P	10/22/2025	18:10	LB137619
	Cadmium	0.34	+/-0.5	U	1.00	P	10/22/2025	18:10	LB137619
	Calcium	45.7	+/-250	U	500	P	10/22/2025	18:10	LB137619

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3363

Contract: AECO02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB06	Chromium	0.21	+/-1	U	2.00	P	10/22/2025	18:10	LB137619
	Cobalt	0.070	+/-0.5	U	1.00	P	10/22/2025	18:10	LB137619
	Copper	0.30	+/-1	U	2.00	P	10/22/2025	18:10	LB137619
	Iron	7.81	+/-25	U	50.0	P	10/22/2025	18:10	LB137619
	Lead	0.21	+/-0.5	U	1.00	P	10/22/2025	18:10	LB137619
	Magnesium	19.5	+/-250	U	500	P	10/22/2025	18:10	LB137619
	Manganese	0.43	+/-0.5	U	1.00	P	10/22/2025	18:10	LB137619
	Nickel	0.27	+/-0.5	U	1.00	P	10/22/2025	18:10	LB137619
	Potassium	36.4	+/-250	U	500	P	10/22/2025	18:10	LB137619
	Selenium	2.90	+/-2.5	U	5.00	P	10/22/2025	18:10	LB137619
	Silver	0.060	+/-0.5	U	1.00	P	10/22/2025	18:10	LB137619
	Sodium	128	+/-250	U	500	P	10/22/2025	18:10	LB137619
	Thallium	0.060	+/-0.5	U	1.00	P	10/22/2025	18:10	LB137619
	Vanadium	0.077	+/-2.5	U	5.00	P	10/22/2025	18:10	LB137619
	Zinc	1.25	+/-2.5	U	5.00	P	10/22/2025	18:10	LB137619
CCB07	Aluminum	1.94	+/-10	U	20.0	P	10/22/2025	18:49	LB137619
	Antimony	0.11	+/-1	U	2.00	P	10/22/2025	18:49	LB137619
	Arsenic	0.089	+/-0.5	U	1.00	P	10/22/2025	18:49	LB137619
	Barium	0.21	+/-5	U	10.0	P	10/22/2025	18:49	LB137619
	Beryllium	0.32	+/-0.5	U	1.00	P	10/22/2025	18:49	LB137619
	Cadmium	0.34	+/-0.5	U	1.00	P	10/22/2025	18:49	LB137619
	Calcium	45.7	+/-250	U	500	P	10/22/2025	18:49	LB137619
	Chromium	0.21	+/-1	U	2.00	P	10/22/2025	18:49	LB137619
	Cobalt	0.070	+/-0.5	U	1.00	P	10/22/2025	18:49	LB137619
	Copper	0.30	+/-1	U	2.00	P	10/22/2025	18:49	LB137619
	Iron	7.81	+/-25	U	50.0	P	10/22/2025	18:49	LB137619
	Lead	0.21	+/-0.5	U	1.00	P	10/22/2025	18:49	LB137619
	Magnesium	19.5	+/-250	U	500	P	10/22/2025	18:49	LB137619
	Manganese	0.43	+/-0.5	U	1.00	P	10/22/2025	18:49	LB137619
	Nickel	0.27	+/-0.5	U	1.00	P	10/22/2025	18:49	LB137619
	Potassium	36.4	+/-250	U	500	P	10/22/2025	18:49	LB137619
	Selenium	2.90	+/-2.5	U	5.00	P	10/22/2025	18:49	LB137619
	Silver	0.060	+/-0.5	U	1.00	P	10/22/2025	18:49	LB137619
	Sodium	128	+/-250	U	500	P	10/22/2025	18:49	LB137619
	Thallium	0.060	+/-0.5	U	1.00	P	10/22/2025	18:49	LB137619
	Vanadium	0.077	+/-2.5	U	5.00	P	10/22/2025	18:49	LB137619
	Zinc	1.25	+/-2.5	U	5.00	P	10/22/2025	18:49	LB137619
CCB08	Aluminum	1.94	+/-10	U	20.0	P	10/22/2025	19:52	LB137619
	Antimony	0.11	+/-1	U	2.00	P	10/22/2025	19:52	LB137619

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3363

Contract: AECO02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB08	Arsenic	0.089	+/-0.5	U	1.00	P	10/22/2025	19:52	LB137619
	Barium	0.21	+/-5	U	10.0	P	10/22/2025	19:52	LB137619
	Beryllium	0.32	+/-0.5	U	1.00	P	10/22/2025	19:52	LB137619
	Cadmium	0.34	+/-0.5	U	1.00	P	10/22/2025	19:52	LB137619
	Calcium	45.7	+/-250	U	500	P	10/22/2025	19:52	LB137619
	Chromium	0.21	+/-1	U	2.00	P	10/22/2025	19:52	LB137619
	Cobalt	0.070	+/-0.5	U	1.00	P	10/22/2025	19:52	LB137619
	Copper	0.30	+/-1	U	2.00	P	10/22/2025	19:52	LB137619
	Iron	7.81	+/-25	U	50.0	P	10/22/2025	19:52	LB137619
	Lead	0.21	+/-0.5	U	1.00	P	10/22/2025	19:52	LB137619
	Magnesium	19.5	+/-250	U	500	P	10/22/2025	19:52	LB137619
	Manganese	0.43	+/-0.5	U	1.00	P	10/22/2025	19:52	LB137619
	Nickel	0.27	+/-0.5	U	1.00	P	10/22/2025	19:52	LB137619
	Potassium	36.4	+/-250	U	500	P	10/22/2025	19:52	LB137619
	Selenium	2.90	+/-2.5	U	5.00	P	10/22/2025	19:52	LB137619
	Silver	0.060	+/-0.5	U	1.00	P	10/22/2025	19:52	LB137619
	Sodium	128	+/-250	U	500	P	10/22/2025	19:52	LB137619
	Thallium	0.060	+/-0.5	U	1.00	P	10/22/2025	19:52	LB137619
	Vanadium	0.077	+/-2.5	U	5.00	P	10/22/2025	19:52	LB137619
	Zinc	1.25	+/-2.5	U	5.00	P	10/22/2025	19:52	LB137619
CCB09	Aluminum	1.94	+/-10	U	20.0	P	10/22/2025	20:31	LB137619
	Antimony	0.18	+/-1	J	2.00	P	10/22/2025	20:31	LB137619
	Arsenic	0.089	+/-0.5	U	1.00	P	10/22/2025	20:31	LB137619
	Barium	0.21	+/-5	U	10.0	P	10/22/2025	20:31	LB137619
	Beryllium	0.32	+/-0.5	U	1.00	P	10/22/2025	20:31	LB137619
	Cadmium	0.34	+/-0.5	U	1.00	P	10/22/2025	20:31	LB137619
	Calcium	45.7	+/-250	U	500	P	10/22/2025	20:31	LB137619
	Chromium	0.21	+/-1	U	2.00	P	10/22/2025	20:31	LB137619
	Cobalt	0.070	+/-0.5	U	1.00	P	10/22/2025	20:31	LB137619
	Copper	0.30	+/-1	U	2.00	P	10/22/2025	20:31	LB137619
	Iron	7.81	+/-25	U	50.0	P	10/22/2025	20:31	LB137619
	Lead	0.21	+/-0.5	U	1.00	P	10/22/2025	20:31	LB137619
	Magnesium	19.5	+/-250	U	500	P	10/22/2025	20:31	LB137619
	Manganese	0.43	+/-0.5	U	1.00	P	10/22/2025	20:31	LB137619
	Nickel	0.27	+/-0.5	U	1.00	P	10/22/2025	20:31	LB137619
	Potassium	43.9	+/-250	J	500	P	10/22/2025	20:31	LB137619
	Selenium	2.90	+/-2.5	U	5.00	P	10/22/2025	20:31	LB137619
	Silver	0.060	+/-0.5	U	1.00	P	10/22/2025	20:31	LB137619
	Sodium	128	+/-250	U	500	P	10/22/2025	20:31	LB137619

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3363

Contract: AECO02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB09	Thallium	0.060	+/-0.5	U	1.00	P	10/22/2025	20:31	LB137619
	Vanadium	0.077	+/-2.5	U	5.00	P	10/22/2025	20:31	LB137619
	Zinc	1.25	+/-2.5	U	5.00	P	10/22/2025	20:31	LB137619
CCB10	Aluminum	1.94	+/-10	U	20.0	P	10/22/2025	21:06	LB137619
	Antimony	0.19	+/-1	J	2.00	P	10/22/2025	21:06	LB137619
	Arsenic	0.089	+/-0.5	U	1.00	P	10/22/2025	21:06	LB137619
	Barium	0.21	+/-5	U	10.0	P	10/22/2025	21:06	LB137619
	Beryllium	0.32	+/-0.5	U	1.00	P	10/22/2025	21:06	LB137619
	Cadmium	0.34	+/-0.5	U	1.00	P	10/22/2025	21:06	LB137619
	Calcium	45.7	+/-250	U	500	P	10/22/2025	21:06	LB137619
	Chromium	0.21	+/-1	U	2.00	P	10/22/2025	21:06	LB137619
	Cobalt	0.070	+/-0.5	U	1.00	P	10/22/2025	21:06	LB137619
	Copper	0.30	+/-1	U	2.00	P	10/22/2025	21:06	LB137619
	Iron	7.81	+/-25	U	50.0	P	10/22/2025	21:06	LB137619
	Lead	0.21	+/-0.5	U	1.00	P	10/22/2025	21:06	LB137619
	Magnesium	19.5	+/-250	U	500	P	10/22/2025	21:06	LB137619
	Manganese	0.43	+/-0.5	U	1.00	P	10/22/2025	21:06	LB137619
	Nickel	0.27	+/-0.5	U	1.00	P	10/22/2025	21:06	LB137619
	Potassium	36.4	+/-250	U	500	P	10/22/2025	21:06	LB137619
	Selenium	2.90	+/-2.5	U	5.00	P	10/22/2025	21:06	LB137619
	Silver	0.060	+/-0.5	U	1.00	P	10/22/2025	21:06	LB137619
	Sodium	128	+/-250	U	500	P	10/22/2025	21:06	LB137619
	Thallium	0.060	+/-0.5	U	1.00	P	10/22/2025	21:06	LB137619
	Vanadium	0.077	+/-2.5	U	5.00	P	10/22/2025	21:06	LB137619
	Zinc	1.25	+/-2.5	U	5.00	P	10/22/2025	21:06	LB137619

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Metals
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PREPARATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3363

Instrument: CV1

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB170143BL		**SOLID**		**Batch Number:**	**PB170143**		**Prep Date:**	**10/17/2025**	
	Mercury	0.0070	<0.013	U	0.013	CV	10/17/2025	10:27	LB137570

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Metals
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PREPARATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3363

Instrument: P7

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB170139BL		**SOLID**		**Batch Number:**	**PB170139**		**Prep Date:**	**10/16/2025**	
	Aluminum	0.36	<1	U	2.00	P	10/22/2025	15:14	LB137619
	Antimony	0.045	<0.1	U	0.20	P	10/22/2025	15:14	LB137619
	Arsenic	0.012	<0.05	U	0.10	P	10/22/2025	15:14	LB137619
	Barium	0.033	<0.5	U	1.00	P	10/22/2025	15:14	LB137619
	Beryllium	0.032	<0.05	U	0.10	P	10/22/2025	15:14	LB137619
	Cadmium	0.018	<0.05	U	0.10	P	10/22/2025	15:14	LB137619
	Calcium	4.79	<25	U	50.0	P	10/22/2025	15:14	LB137619
	Chromium	0.026	<0.1	U	0.20	P	10/22/2025	15:14	LB137619
	Cobalt	0.0090	<0.05	U	0.10	P	10/22/2025	15:14	LB137619
	Copper	0.065	<0.1	U	0.20	P	10/22/2025	15:14	LB137619
	Iron	0.92	<2.5	U	5.00	P	10/22/2025	15:14	LB137619
	Lead	0.032	<0.05	U	0.10	P	10/22/2025	15:14	LB137619
	Magnesium	1.93	<25	U	50.0	P	10/22/2025	15:14	LB137619
	Manganese	0.034	<0.05	U	0.10	P	10/22/2025	15:14	LB137619
	Nickel	0.043	<0.05	U	0.10	P	10/22/2025	15:14	LB137619
	Potassium	3.84	<25	U	50.0	P	10/22/2025	15:14	LB137619
	Selenium	0.28	<0.25	U	0.50	P	10/22/2025	15:14	LB137619
	Silver	0.026	<0.05	U	0.10	P	10/22/2025	15:14	LB137619
	Sodium	7.02	<25	U	50.0	P	10/22/2025	15:14	LB137619
	Thallium	0.014	<0.05	U	0.10	P	10/22/2025	15:14	LB137619
	Vanadium	0.011	<0.25	U	0.50	P	10/22/2025	15:14	LB137619
	Zinc	0.090	<0.25	U	0.50	P	10/22/2025	15:14	LB137619

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Metals
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INTERFERENCE CHECK SAMPLE

Client: AECOM **SDG No.:** Q3363

Contract: AECO02 **Lab Code:** ACE

ICS Source: EPA **Instrument ID:** P7

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSA01	Aluminum	94400	100000	94	0	0	10/22/2025	13:20	LB137619
	Antimony	1.18	1.5	79	-2.5	5.5	10/22/2025	13:20	LB137619
	Arsenic	0.41	0.1	410	-1.9	2.1	10/22/2025	13:20	LB137619
	Barium	1.43	1.2	119	-18.8	21.2	10/22/2025	13:20	LB137619
	Beryllium	0.34			-2	2	10/22/2025	13:20	LB137619
	Cadmium	0.22	0.7	31	-1.3	2.7	10/22/2025	13:20	LB137619
	Calcium	103000	100000	103	0	0	10/22/2025	13:20	LB137619
	Chromium	20.4	21.0	97	17	25	10/22/2025	13:20	LB137619
	Cobalt	1.30	1.0	130	-1	3	10/22/2025	13:20	LB137619
	Copper	7.49	8.0	94	4	12	10/22/2025	13:20	LB137619
	Iron	106000	100000	106	0	0	10/22/2025	13:20	LB137619
	Lead	4.32	4.0	108	2	6	10/22/2025	13:20	LB137619
	Magnesium	96600	100000	97	0	0	10/22/2025	13:20	LB137619
	Manganese	7.76	7.0	111	5	9	10/22/2025	13:20	LB137619
	Nickel	5.51	6.0	92	4	8	10/22/2025	13:20	LB137619
	Potassium	104000	100000	104	0	0	10/22/2025	13:20	LB137619
	Selenium	0	0.3		-9.7	10	10/22/2025	13:20	LB137619
	Silver	0.040			-2	2	10/22/2025	13:20	LB137619
	Sodium	104000	100000	104	0	0	10/22/2025	13:20	LB137619
	Thallium	0.060			-2	2	10/22/2025	13:20	LB137619
	Vanadium	0.24	0.5	48	-9.5	10.5	10/22/2025	13:20	LB137619
	Zinc	10.7	11.0	98	1	21	10/22/2025	13:20	LB137619
ICSAB01	Aluminum	95400	100000	95	0	0	10/22/2025	13:23	LB137619
	Antimony	21.2	22.0	96	18	26	10/22/2025	13:23	LB137619
	Arsenic	18.9	19.0	100	16.2	21.9	10/22/2025	13:23	LB137619
	Barium	21.4	22.0	97	2	42	10/22/2025	13:23	LB137619
	Beryllium	21.6	19.0	114	16.2	21.9	10/22/2025	13:23	LB137619
	Cadmium	20.1	20.0	100	17	23	10/22/2025	13:23	LB137619
	Calcium	101000	100000	101	0	0	10/22/2025	13:23	LB137619
	Chromium	41.2	40.0	103	34	46	10/22/2025	13:23	LB137619
	Cobalt	22.1	20.0	110	17	23	10/22/2025	13:23	LB137619
	Copper	26.8	25.0	107	21	29	10/22/2025	13:23	LB137619
	Iron	106000	100000	106	0	0	10/22/2025	13:23	LB137619
	Lead	23.0	25.0	92	21.3	28.8	10/22/2025	13:23	LB137619
	Magnesium	96100	100000	96	0	0	10/22/2025	13:23	LB137619
	Manganese	26.8	27.0	99	23	31.1	10/22/2025	13:23	LB137619
	Nickel	26.6	24.0	111	20.4	27.6	10/22/2025	13:23	LB137619
	Potassium	104000	100000	104	0	0	10/22/2025	13:23	LB137619
	Selenium	19.1	19.0	100	9	29	10/22/2025	13:23	LB137619
	Silver	19.8	18.0	110	15.3	20.7	10/22/2025	13:23	LB137619
	Sodium	104000	100000	104	0	0	10/22/2025	13:23	LB137619
	Thallium	19.9	21.0	95	17.9	24.2	10/22/2025	13:23	LB137619

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INTERFERENCE CHECK SAMPLE

Client: AECOM **SDG No.:** Q3363

Contract: AECO02 **Lab Code:** ACE

ICS Source: EPA **Instrument ID:** P7

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSAB01	Vanadium	20.9	19.0	110	9	29	10/22/2025	13:23	LB137619
	Zinc	31.0	29.0	107	19	39	10/22/2025	13:23	LB137619

METAL QC DATA

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MATRIX SPIKE SUMMARY

client: AECOM **level:** low **sdg no.:** Q3363

contract: AECO02 **lab code:** ACE

matrix: Solid **sample id:** Q3352-01 **client id:** TP-3MS

Percent Solids for Sample: 89.8 **Spiked ID:** Q3352-01MS **Percent Solids for Spike Sample:** 89.8

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.30		0.014	U	0.28	105		CV

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metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: AECOM **level:** low **sdg no.:** Q3363

contract: AECO02 **lab code:** ACE

matrix: Solid **sample id:** Q3352-01 **client id:** TP-3MSD

Percent Solids for Sample: 89.8 **Spiked ID:** Q3352-01MSD **Percent Solids for Spike Sample:** 89.8

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.30		0.014	U	0.28	106		CV

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MATRIX SPIKE SUMMARY

client: AECOM **level:** low **sdg no.:** Q3363

contract: AECO02 **lab code:** ACE

matrix: Solid **sample id:** Q3363-05 **client id:** COMP01-20251015MS

Percent Solids for Sample: 55.4 **Spiked ID:** Q3363-05MS **Percent Solids for Spike Sample:** 55.4

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	17500	D	18800	D	1600	-83		P
Antimony	mg/Kg	75 - 125	77.8		0.15	J	80.6	96		P
Arsenic	mg/Kg	75 - 125	61.4	D	72.7	D	80.6	-14	N	P
Barium	mg/Kg	75 - 125	452		137		400	78		P
Beryllium	mg/Kg	75 - 125	74.6		1.10		80.6	91		P
Cadmium	mg/Kg	75 - 125	76.5		0.98		80.6	94		P
Calcium	mg/Kg	75 - 125	11100		5160		8100	74	N	P
Chromium	mg/Kg	75 - 125	135		81.8		80.6	66	N	P
Cobalt	mg/Kg	75 - 125	80.3		13.9		80.6	82		P
Copper	mg/Kg	75 - 125	785		207		810	72	N	P
Iron	mg/Kg	75 - 125	42000	D	45900	D	4000	-96		P
Lead	mg/Kg	75 - 125	730	D	414	D	400	78		P
Magnesium	mg/Kg	75 - 125	13600		7760		8100	73	N	P
Manganese	mg/Kg	75 - 125	1360		836		810	65	N	P
Nickel	mg/Kg	75 - 125	103		45.6		80.6	71	N	P
Potassium	mg/Kg	75 - 125	5920		3190		4000	68	N	P
Selenium	mg/Kg	75 - 125	73.7	D	3.89	UD	80.6	89		P
Silver	mg/Kg	75 - 125	13.8		1.34		80.6	15	N	P
Sodium	mg/Kg	75 - 125	9970		3530		8100	80		P
Thallium	mg/Kg	75 - 125	74.6		0.24		80.6	92		P
Vanadium	mg/Kg	75 - 125	111		45.6		80.6	81		P
Zinc	mg/Kg	75 - 125	885		308		810	72	N	P

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metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: AECOM **level:** low **sdg no.:** Q3363

contract: AECO02 **lab code:** ACE

matrix: Solid **sample id:** Q3363-05 **client id:** COMP01-20251015MSD

Percent Solids for Sample: 55.4 **Spiked ID:** Q3363-05MSD **Percent Solids for Spike Sample:** 55.4

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	17300	D	18800	D	1600	-99		P
Antimony	mg/Kg	75 - 125	74.2		0.15	J	77.8	95		P
Arsenic	mg/Kg	75 - 125	61.8	D	72.7	D	77.8	-14	N	P
Barium	mg/Kg	75 - 125	464		137		390	84		P
Beryllium	mg/Kg	75 - 125	68.7		1.10		77.8	87		P
Cadmium	mg/Kg	75 - 125	72.6		0.98		77.8	92		P
Calcium	mg/Kg	75 - 125	12200		5160		7800	91		P
Chromium	mg/Kg	75 - 125	138		81.8		77.8	72	N	P
Cobalt	mg/Kg	75 - 125	77.3		13.9		77.8	82		P
Copper	mg/Kg	75 - 125	804		207		780	77		P
Iron	mg/Kg	75 - 125	42100	D	45900	D	3900	-98		P
Lead	mg/Kg	75 - 125	725	D	414	D	390	80		P
Magnesium	mg/Kg	75 - 125	14500		7760		7800	86		P
Manganese	mg/Kg	75 - 125	1360		836		780	68	N	P
Nickel	mg/Kg	75 - 125	108		45.6		77.8	80		P
Potassium	mg/Kg	75 - 125	6120		3190		3900	75		P
Selenium	mg/Kg	75 - 125	74.6	D	3.89	UD	77.8	94		P
Silver	mg/Kg	75 - 125	13.3		1.34		77.8	15	N	P
Sodium	mg/Kg	75 - 125	10500		3530		7800	89		P
Thallium	mg/Kg	75 - 125	70.7		0.24		77.8	91		P
Vanadium	mg/Kg	75 - 125	109		45.6		77.8	82		P
Zinc	mg/Kg	75 - 125	873		308		780	73	N	P

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Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client: AECOM **SDG No.:** Q3363

Contract: AECO02 **Lab Code:** ACE

Matrix: Solid **Level:** LOW **Client ID:** COMP01-20251015A

Sample ID: Q3363-05 **Spiked ID:** Q3363-05A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Arsenic	mg/Kg	75 - 125	54.0	D	72.7	D	77.8	-24	N	P
Calcium	mg/Kg	75 - 125	10600		5160		7800	70	N	P
Chromium	mg/Kg	75 - 125	126		81.8		77.8	56	N	P
Copper	mg/Kg	75 - 125	755		207		780	70	N	P
Magnesium	mg/Kg	75 - 125	12800		7760		7800	64	N	P
Manganese	mg/Kg	75 - 125	1280		836		780	57	N	P
Nickel	mg/Kg	75 - 125	97.8		45.6		77.8	67	N	P
Potassium	mg/Kg	75 - 125	5640		3190		3900	63	N	P
Silver	mg/Kg	75 - 125	13.0		1.34		77.8	15	N	P
Zinc	mg/Kg	75 - 125	853		308		780	70	N	P

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: AECOM **Level:** LOW **SDG No.:** Q3363

Contract: AECO02 **Lab Code:** ACE

Matrix: Solid **Sample ID:** Q3352-01 **Client ID:** TP-3DUP

Percent Solids for Sample: 89.8 **Duplicate ID** Q3352-01DUP **Percent Solids for Spike Sample:** 89.8

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.014	U	0.014	U			CV

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: AECOM **Level:** LOW **SDG No.:** Q3363

Contract: AECO02 **Lab Code:** ACE

Matrix: Solid **Sample ID:** Q3352-01MS **Client ID:** TP-3MSD

Percent Solids for Sample: 89.8 **Duplicate ID** Q3352-01MSD **Percent Solids for Spike Sample:** 89.8

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.30		0.30		1		CV

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: AECOM **Level:** LOW **SDG No.:** Q3363

Contract: AECO02 **Lab Code:** ACE

Matrix: Solid **Sample ID:** Q3363-05 **Client ID:** COMP01-20251015DUP

Percent Solids for Sample: 55.4 **Duplicate ID** Q3363-05DUP **Percent Solids for Spike Sample:** 55.4

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	18800	D	18700	D	1		P
Antimony	mg/Kg	20	0.15	J	0.11	J	25		P
Arsenic	mg/Kg	20	72.7	D	72.4	D	0		P
Barium	mg/Kg	20	137		152		10		P
Beryllium	mg/Kg	20	1.10		1.23		11		P
Cadmium	mg/Kg	20	0.98		1.09		11		P
Calcium	mg/Kg	20	5160		5590		8		P
Chromium	mg/Kg	20	81.8		92.4		12		P
Cobalt	mg/Kg	20	13.9		15.1		8		P
Copper	mg/Kg	20	207		211		2		P
Iron	mg/Kg	20	45900	D	45900	D	0		P
Lead	mg/Kg	20	406		452		11		P
Magnesium	mg/Kg	20	7760		8530		9		P
Manganese	mg/Kg	20	836		886		6		P
Nickel	mg/Kg	20	45.6		47.9		5		P
Potassium	mg/Kg	20	3190		3460		8		P
Selenium	mg/Kg	20	3.89	UD	3.82	UD			P
Silver	mg/Kg	20	1.34		1.49		11		P
Sodium	mg/Kg	20	3530		3800		7		P
Thallium	mg/Kg	20	0.24		0.27		14		P
Vanadium	mg/Kg	20	45.6		50.1		9		P
Zinc	mg/Kg	20	308		323		5		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: AECOM **Level:** LOW **SDG No.:** Q3363

Contract: AECO02 **Lab Code:** ACE

Matrix: Solid **Sample ID:** Q3363-05MS **Client ID:** COMP01-20251015MSD

Percent Solids for Sample: 55.4 **Duplicate ID** Q3363-05MSD **Percent Solids for Spike Sample:** 55.4

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	17500	D	17300	D	1		P
Antimony	mg/Kg	20	77.8		74.2		5		P
Arsenic	mg/Kg	20	61.4	D	61.8	D	1		P
Barium	mg/Kg	20	452		464		3		P
Beryllium	mg/Kg	20	74.6		68.7		8		P
Cadmium	mg/Kg	20	76.5		72.6		5		P
Calcium	mg/Kg	20	11100		12200		9		P
Chromium	mg/Kg	20	135		138		2		P
Cobalt	mg/Kg	20	80.3		77.3		4		P
Copper	mg/Kg	20	785		804		2		P
Iron	mg/Kg	20	42000	D	42100	D	0		P
Lead	mg/Kg	20	730	D	725	D	1		P
Magnesium	mg/Kg	20	13600		14500		6		P
Manganese	mg/Kg	20	1360		1360		0		P
Nickel	mg/Kg	20	103		108		5		P
Potassium	mg/Kg	20	5920		6120		3		P
Selenium	mg/Kg	20	73.7	D	74.6	D	1		P
Silver	mg/Kg	20	13.8		13.3		4		P
Sodium	mg/Kg	20	9970		10500		5		P
Thallium	mg/Kg	20	74.6		70.7		5		P
Vanadium	mg/Kg	20	111		109		2		P
Zinc	mg/Kg	20	885		873		1		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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LABORATORY CONTROL SAMPLE SUMMARY

Client: AECOM **SDG No.:** Q3363

Contract: AECO02 **Lab Code:** ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB170139BS							
Aluminum	mg/Kg	1000	1080		108	80 - 120	P
Antimony	mg/Kg	50.0	52.7		105	80 - 120	P
Arsenic	mg/Kg	50.0	51.0		102	80 - 120	P
Barium	mg/Kg	250	260		104	80 - 120	P
Beryllium	mg/Kg	50.0	52.4		105	80 - 120	P
Cadmium	mg/Kg	50.0	52.5		105	80 - 120	P
Calcium	mg/Kg	5000	5360		107	80 - 120	P
Chromium	mg/Kg	50.0	55.3		111	80 - 120	P
Cobalt	mg/Kg	50.0	52.3		105	80 - 120	P
Copper	mg/Kg	500	533		107	80 - 120	P
Iron	mg/Kg	2500	2830		113	80 - 120	P
Lead	mg/Kg	250	258		103	80 - 120	P
Magnesium	mg/Kg	5000	5240		105	80 - 120	P
Manganese	mg/Kg	500	529		106	80 - 120	P
Nickel	mg/Kg	50.0	54.2		108	80 - 120	P
Potassium	mg/Kg	2500	2640		106	80 - 120	P
Selenium	mg/Kg	50.0	52.6		105	80 - 120	P
Silver	mg/Kg	50.0	53.8		108	80 - 120	P
Sodium	mg/Kg	5000	5370		107	80 - 120	P
Thallium	mg/Kg	50.0	52.6		105	80 - 120	P
Vanadium	mg/Kg	50.0	51.8		104	80 - 120	P
Zinc	mg/Kg	500	536		107	80 - 120	P

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LABORATORY CONTROL SAMPLE SUMMARY

Client: AECOM **SDG No.:** Q3363

Contract: AECO02 **Lab Code:** ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB170143BS							
Mercury	mg/Kg	0.26	0.22		83	80 - 120	CV

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FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM
Contract: AECO02
Lab Code: ACE
SDG No.: Q3363
Instrument ID: P7
Start Date : 10/22/2025
Run Number: LB137619
End Date : 10/22/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 6Li	Q	Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q
S0	S0	1154	100		100		100		100		100	
S2	S2	1157	99		98		101		99		99	
S3	S3	1204	98		99		99		98		97	
S4	S4	1207	96		96		99		98		99	
S5	S5	1210	96		94		96		95		99	
S6	S6	1213	97		93		96		95		100	
S7	S7	1216	98		95		97		96		102	
S8	S8	1219	101		101		101		94		104	
ICV01	ICV01	1238	96		100		102		101		100	
LLICV01	LLICV01	1312	92		97		100		98		97	
ICB01	ICB01	1316	93		99		99		98		97	
ICSA01	ICSA01	1320	94		100		101		97		102	
ICSAB01	ICSAB01	1323	95		104		107		103		108	
CCV01	CCV01	1327	95		105		106		100		105	
CCB01	CCB01	1330	90		98		101		99		99	
CRI01	CRI01	1333	92		100		101		101		101	
ZZZZZZ	ZZZZZZ	1340										
ZZZZZZ	ZZZZZZ	1343										
ZZZZZZ	ZZZZZZ	1346										
ZZZZZZ	ZZZZZZ	1349										
ZZZZZZ	ZZZZZZ	1353										
ZZZZZZ	ZZZZZZ	1356										
ZZZZZZ	ZZZZZZ	1359										
ZZZZZZ	ZZZZZZ	1402										
ZZZZZZ	ZZZZZZ	1408										
CCV02	CCV02	1411	95		104		105		99		104	
CCB02	CCB02	1418	92		99		101		103		100	
Q3363-01	PR132-SO1-01	1421	101		116		127		105		108	
Q3363-02	PR132-SO1-01	1424	96		117		129		104		105	
Q3363-03	PR132-SO3-01	1427	93		113		123		103		103	
Q3363-04	PR132-SO3-01	1430	96		117		131	*	101		103	
Q3363-05	COMP01-2025	1434	95		117		135	*	99		102	
Q3363-05DUP	COMP01-2025	1437	97		119		138	*	100		103	
Q3363-05L	COMP01-2025	1440	92		106		110		103		102	
Q3363-05MS	COMP01-2025	1443	98		119		133	*	100		105	
Q3363-05MSD	COMP01-2025	1446	99		119		136	*	100		104	

Internal Standard %RI Limit: 70 - 130

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FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM Contract: AECO02

Lab Code: ACE SDG No.: Q3363

Instrument ID: P7 Start Date : 10/22/2025

Run Number: LB137619 End Date : 10/22/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 6Li	Q	Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q
Q3363-05A	COMP01-2025	1449	97		113		128		101		104	
CCV03	CCV03	1454	90		100		102		96		101	
CCB03	CCB03	1505	89		99		101		100		100	
PB170139BL	PB170139BL	1514	87		96		98		98		97	
PB170139BS	PB170139BS	1517	89		95		98		97		99	
ZZZZZZ	ZZZZZZ	1520										
ZZZZZZ	ZZZZZZ	1524										
ZZZZZZ	ZZZZZZ	1527										
ZZZZZZ	ZZZZZZ	1530										
ZZZZZZ	ZZZZZZ	1533										
ZZZZZZ	ZZZZZZ	1536										
ZZZZZZ	ZZZZZZ	1539										
ZZZZZZ	ZZZZZZ	1542										
CCV04	CCV04	1545	92		99		101		96		101	
CCB04	CCB04	1600	87		96		98		98		97	
ZZZZZZ	ZZZZZZ	1603										
ZZZZZZ	ZZZZZZ	1606										
ZZZZZZ	ZZZZZZ	1609										
ZZZZZZ	ZZZZZZ	1613										
ZZZZZZ	ZZZZZZ	1616										
ZZZZZZ	ZZZZZZ	1619										
ZZZZZZ	ZZZZZZ	1625										
ZZZZZZ	ZZZZZZ	1631										
ZZZZZZ	ZZZZZZ	1640										
ZZZZZZ	ZZZZZZ	1643										
CCV05	CCV05	1646	94		102		103		99		105	
CCB05	CCB05	1655	87		95		98		98		100	
ZZZZZZ	ZZZZZZ	1700										
ZZZZZZ	ZZZZZZ	1715										
ZZZZZZ	ZZZZZZ	1718										
ZZZZZZ	ZZZZZZ	1722										
ZZZZZZ	ZZZZZZ	1725										
ZZZZZZ	ZZZZZZ	1728										
ZZZZZZ	ZZZZZZ	1731										
ZZZZZZ	ZZZZZZ	1734										
ZZZZZZ	ZZZZZZ	1741										

Internal Standard %RI Limit: 70 - 130

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FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM Contract: AECO02

Lab Code: ACE SDG No.: Q3363

Instrument ID: P7 Start Date : 10/22/2025

Run Number: LB137619 End Date : 10/22/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 6Li	Q	Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q
ZZZZZZ	ZZZZZZ	1744										
CCV06	CCV06	1759	85		95		97		93		102	
CCB06	CCB06	1810	82		90		93		94		97	
ZZZZZZ	ZZZZZZ	1815										
ZZZZZZ	ZZZZZZ	1818										
ZZZZZZ	ZZZZZZ	1821										
ZZZZZZ	ZZZZZZ	1823										
ZZZZZZ	ZZZZZZ	1826										
ZZZZZZ	ZZZZZZ	1829										
CCV07	CCV07	1841	84		94		98		93		99	
CCB07	CCB07	1849	80		90		94		95		96	
Q3363-02	PR132-SO1-01	1912	79		92		99		94		97	
Q3363-03	PR132-SO3-01	1915	81		94		97		95		95	
Q3363-04	PR132-SO3-01	1918	82		95		100		95		96	
Q3363-05	COMP01-2025	1922	84		98		103		95		98	
Q3363-05DUP	COMP01-2025	1925	83		97		103		95		96	
Q3363-05L	COMP01-2025	1928	80		93		97		94		96	
Q3363-05MS	COMP01-2025	1931	82		95		101		95		96	
Q3363-05MSD	COMP01-2025	1934	81		95		100		93		96	
Q3363-05A	COMP01-2025	1937	82		95		100		93		98	
ZZZZZZ	ZZZZZZ	1941										
CCV08	CCV08	1944	84		92		96		92		98	
CCB08	CCB08	1952	78		89		92		92		94	

Internal Standard %RI Limit: 70 - 130

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FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM Contract: AECO02

Lab Code: ACE SDG No.: Q3363

Instrument ID: P7 Start Date : 10/22/2025

Run Number: LB137619 End Date : 10/22/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q	Element 165Ho	Q
S0	S0	1154	100		100		100		100		100	
S2	S2	1157	99		99		100		98		99	
S3	S3	1204	98		97		97		98		97	
S4	S4	1207	96		97		94		97		99	
S5	S5	1210	95		95		93		96		97	
S6	S6	1213	96		95		95		99		100	
S7	S7	1216	97		95		94		100		101	
S8	S8	1219	105		104		94		103		105	
ICV01	ICV01	1238	101		102		100		101		102	
LLICV01	LLICV01	1312	98		99		97		98		99	
ICB01	ICB01	1316	99		101		99		99		100	
ICSA01	ICSA01	1320	101		100		97		101		103	
ICSAB01	ICSAB01	1323	104		102		100		104		105	
CCV01	CCV01	1327	103		102		97		103		105	
CCB01	CCB01	1330	98		100		99		99		100	
CRI01	CRI01	1333	99		99		99		101		101	
ZZZZZZ	ZZZZZZ	1340										
ZZZZZZ	ZZZZZZ	1343										
ZZZZZZ	ZZZZZZ	1346										
ZZZZZZ	ZZZZZZ	1349										
ZZZZZZ	ZZZZZZ	1353										
ZZZZZZ	ZZZZZZ	1356										
ZZZZZZ	ZZZZZZ	1359										
ZZZZZZ	ZZZZZZ	1402										
ZZZZZZ	ZZZZZZ	1408										
CCV02	CCV02	1411	104		104		98		105		105	
CCB02	CCB02	1418	100		102		102		103		104	
Q3363-01	PR132-SO1-01	1421	117		128		107		110		113	
Q3363-02	PR132-SO1-01	1424	118		130		102		107		109	
Q3363-03	PR132-SO3-01	1427	111		121		103		106		107	
Q3363-04	PR132-SO3-01	1430	116		129		101		107		107	
Q3363-05	COMP01-2025	1434	117		135	*	99		105		105	
Q3363-05DUP	COMP01-2025	1437	120		139	*	99		106		106	
Q3363-05L	COMP01-2025	1440	106		110		102		105		106	
Q3363-05MS	COMP01-2025	1443	118		130		100		107		108	
Q3363-05MSD	COMP01-2025	1446	119		134	*	99		106		106	

Internal Standard %RI Limit: 70 - 130

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FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM Contract: AECO02

Lab Code: ACE SDG No.: Q3363

Instrument ID: P7 Start Date : 10/22/2025

Run Number: LB137619 End Date : 10/22/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q	Element 165Ho	Q
Q3363-05A	COMP01-2025	1449	115		128		99		106		106	
CCV03	CCV03	1454	101		101		96		104		103	
CCB03	CCB03	1505	97		100		99		102		102	
PB170139BL	PB170139BL	1514	95		95		97		96		97	
PB170139BS	PB170139BS	1517	95		96		95		100		101	
ZZZZZZ	ZZZZZZ	1520										
ZZZZZZ	ZZZZZZ	1524										
ZZZZZZ	ZZZZZZ	1527										
ZZZZZZ	ZZZZZZ	1530										
ZZZZZZ	ZZZZZZ	1533										
ZZZZZZ	ZZZZZZ	1536										
ZZZZZZ	ZZZZZZ	1539										
ZZZZZZ	ZZZZZZ	1542										
CCV04	CCV04	1545	99		98		95		101		102	
CCB04	CCB04	1600	94		97		96		98		100	
ZZZZZZ	ZZZZZZ	1603										
ZZZZZZ	ZZZZZZ	1606										
ZZZZZZ	ZZZZZZ	1609										
ZZZZZZ	ZZZZZZ	1613										
ZZZZZZ	ZZZZZZ	1616										
ZZZZZZ	ZZZZZZ	1619										
ZZZZZZ	ZZZZZZ	1625										
ZZZZZZ	ZZZZZZ	1631										
ZZZZZZ	ZZZZZZ	1640										
ZZZZZZ	ZZZZZZ	1643										
CCV05	CCV05	1646	103		102		99		107		108	
CCB05	CCB05	1655	94		98		98		101		102	
ZZZZZZ	ZZZZZZ	1700										
ZZZZZZ	ZZZZZZ	1715										
ZZZZZZ	ZZZZZZ	1718										
ZZZZZZ	ZZZZZZ	1722										
ZZZZZZ	ZZZZZZ	1725										
ZZZZZZ	ZZZZZZ	1728										
ZZZZZZ	ZZZZZZ	1731										
ZZZZZZ	ZZZZZZ	1734										
ZZZZZZ	ZZZZZZ	1741										

Internal Standard %RI Limit: 70 - 130

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FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM Contract: AECO02

Lab Code: ACE SDG No.: Q3363

Instrument ID: P7 Start Date : 10/22/2025

Run Number: LB137619 End Date : 10/22/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q	Element 165Ho	Q
ZZZZZZ	ZZZZZZ	1744										
CCV06	CCV06	1759	96		96		93		102		102	
CCB06	CCB06	1810	89		93		93		97		97	
ZZZZZZ	ZZZZZZ	1815										
ZZZZZZ	ZZZZZZ	1818										
ZZZZZZ	ZZZZZZ	1821										
ZZZZZZ	ZZZZZZ	1823										
ZZZZZZ	ZZZZZZ	1826										
ZZZZZZ	ZZZZZZ	1829										
CCV07	CCV07	1841	95		95		92		99		100	
CCB07	CCB07	1849	90		94		95		97		96	
Q3363-02	PR132-SO1-01	1912	93		97		94		97		99	
Q3363-03	PR132-SO3-01	1915	95		97		95		99		98	
Q3363-04	PR132-SO3-01	1918	97		101		98		99		99	
Q3363-05	COMP01-2025	1922	97		103		97		99		100	
Q3363-05DUP	COMP01-2025	1925	97		100		95		99		99	
Q3363-05L	COMP01-2025	1928	94		97		96		99		99	
Q3363-05MS	COMP01-2025	1931	96		102		95		99		98	
Q3363-05MSD	COMP01-2025	1934	96		101		95		97		99	
Q3363-05A	COMP01-2025	1937	96		102		95		99		98	
ZZZZZZ	ZZZZZZ	1941										
CCV08	CCV08	1944	93		95		91		100		100	
CCB08	CCB08	1952	89		93		93		95		95	

Internal Standard %RI Limit: 70 - 130

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FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM
Contract: AECO02
Lab Code: ACE
SDG No.: Q3363
Instrument ID: P7
Start Date : 10/22/2025
Run Number: LB137619
End Date : 10/22/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 165Ho	Q	Element 209Bi	Q	Element	Q	Element	Q	Element	Q
S0	S0	1154	100		100							
S2	S2	1157	98		99							
S3	S3	1204	97		99							
S4	S4	1207	99		100							
S5	S5	1210	99		99							
S6	S6	1213	101		102							
S7	S7	1216	102		103							
S8	S8	1219	103		95							
ICV01	ICV01	1238	100		100							
LLICV01	LLICV01	1312	97		96							
ICB01	ICB01	1316	97		95							
ICSA01	ICSA01	1320	101		98							
ICSAB01	ICSAB01	1323	105		100							
CCV01	CCV01	1327	106		100							
CCB01	CCB01	1330	99		97							
CRI01	CRI01	1333	101		99							
ZZZZZZ	ZZZZZZ	1340										
ZZZZZZ	ZZZZZZ	1343										
ZZZZZZ	ZZZZZZ	1346										
ZZZZZZ	ZZZZZZ	1349										
ZZZZZZ	ZZZZZZ	1353										
ZZZZZZ	ZZZZZZ	1356										
ZZZZZZ	ZZZZZZ	1359										
ZZZZZZ	ZZZZZZ	1402										
ZZZZZZ	ZZZZZZ	1408										
CCV02	CCV02	1411	104		98							
CCB02	CCB02	1418	101		99							
Q3363-01	PR132-SO1-08	1421	108		111							
Q3363-02	PR132-SO1-03	1424	104		105							
Q3363-03	PR132-SO3-02	1427	101		104							
Q3363-04	PR132-SO3-01	1430	103		105							
Q3363-05	COMP01-20251	1434	101		99							
Q3363-05DUP	COMP01-20251	1437	104		98							
Q3363-05L	COMP01-20251	1440	101		98							

Internal Standard %RI Limit: 70 -130

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FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM
Contract: AECO02
Lab Code: ACE
SDG No.: Q3363
Instrument ID: P7
Start Date : 10/22/2025
Run Number: LB137619
End Date : 10/22/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 165Ho	Q	Element 209Bi	Q	Element	Q	Element	Q	Element	Q
Q3363-05MS	COMP01-20251	1443	107		100							
Q3363-05MSD	COMP01-20251	1446	104		101							
Q3363-05A	COMP01-20251	1449	104		99							
CCV03	CCV03	1454	101		94							
CCB03	CCB03	1505	100		97							
PB170139BL	PB170139BL	1514	96		95							
PB170139BS	PB170139BS	1517	98		96							
ZZZZZZ	ZZZZZZ	1520										
ZZZZZZ	ZZZZZZ	1524										
ZZZZZZ	ZZZZZZ	1527										
ZZZZZZ	ZZZZZZ	1530										
ZZZZZZ	ZZZZZZ	1533										
ZZZZZZ	ZZZZZZ	1536										
ZZZZZZ	ZZZZZZ	1539										
ZZZZZZ	ZZZZZZ	1542										
CCV04	CCV04	1545	101		96							
CCB04	CCB04	1600	95		96							
ZZZZZZ	ZZZZZZ	1603										
ZZZZZZ	ZZZZZZ	1606										
ZZZZZZ	ZZZZZZ	1609										
ZZZZZZ	ZZZZZZ	1613										
ZZZZZZ	ZZZZZZ	1616										
ZZZZZZ	ZZZZZZ	1619										
ZZZZZZ	ZZZZZZ	1625										
ZZZZZZ	ZZZZZZ	1631										
ZZZZZZ	ZZZZZZ	1640										
ZZZZZZ	ZZZZZZ	1643										
CCV05	CCV05	1646	107		99							
CCB05	CCB05	1655	100		98							
ZZZZZZ	ZZZZZZ	1700										
ZZZZZZ	ZZZZZZ	1715										
ZZZZZZ	ZZZZZZ	1718										
ZZZZZZ	ZZZZZZ	1722										
ZZZZZZ	ZZZZZZ	1725										

Internal Standard %RI Limit: 70 -130

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FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM
Contract: AECO02
Lab Code: ACE
SDG No.: Q3363
Instrument ID: P7
Start Date : 10/22/2025
Run Number: LB137619
End Date : 10/22/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 165Ho	Q	Element 209Bi	Q	Element	Q	Element	Q	Element	Q
ZZZZZZ	ZZZZZZ	1728										
ZZZZZZ	ZZZZZZ	1731										
ZZZZZZ	ZZZZZZ	1734										
ZZZZZZ	ZZZZZZ	1741										
ZZZZZZ	ZZZZZZ	1744										
CCV06	CCV06	1759	101		94							
CCB06	CCB06	1810	97		95							
ZZZZZZ	ZZZZZZ	1815										
ZZZZZZ	ZZZZZZ	1818										
ZZZZZZ	ZZZZZZ	1821										
ZZZZZZ	ZZZZZZ	1823										
ZZZZZZ	ZZZZZZ	1826										
ZZZZZZ	ZZZZZZ	1829										
CCV07	CCV07	1841	100		93							
CCB07	CCB07	1849	96		95							
Q3363-02	PR132-SO1-03	1912	95		96							
Q3363-03	PR132-SO3-02	1915	97		95							
Q3363-04	PR132-SO3-01	1918	97		97							
Q3363-05	COMP01-20251	1922	99		95							
Q3363-05DUP	COMP01-20251	1925	97		96							
Q3363-05L	COMP01-20251	1928	95		93							
Q3363-05MS	COMP01-20251	1931	97		92							
Q3363-05MSD	COMP01-20251	1934	96		91							
Q3363-05A	COMP01-20251	1937	95		95							
ZZZZZZ	ZZZZZZ	1941										
CCV08	CCV08	1944	100		93							
CCB08	CCB08	1952	93		93							

Internal Standard %RI Limit: 70 -130

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FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM
Contract: AECO02
Lab Code: ACE
SDG No.: Q3363
Instrument ID: P7
Start Date : 10/22/2025
Run Number: LB137619
End Date : 10/22/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 209Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
S0	S0	1154	100									
S2	S2	1157	101									
S3	S3	1204	99									
S4	S4	1207	97									
S5	S5	1210	97									
S6	S6	1213	98									
S7	S7	1216	97									
S8	S8	1219	94									
ICV01	ICV01	1238	102									
LLICV01	LLICV01	1312	97									
ICB01	ICB01	1316	99									
ICSA01	ICSA01	1320	95									
ICSAB01	ICSAB01	1323	99									
CCV01	CCV01	1327	96									
CCB01	CCB01	1330	98									
CRI01	CRI01	1333	99									
ZZZZZZ	ZZZZZZ	1340										
ZZZZZZ	ZZZZZZ	1343										
ZZZZZZ	ZZZZZZ	1346										
ZZZZZZ	ZZZZZZ	1349										
ZZZZZZ	ZZZZZZ	1353										
ZZZZZZ	ZZZZZZ	1356										
ZZZZZZ	ZZZZZZ	1359										
ZZZZZZ	ZZZZZZ	1402										
ZZZZZZ	ZZZZZZ	1408										
CCV02	CCV02	1411	97									
CCB02	CCB02	1418	100									
Q3363-01	PR132-SO1-08	1421	110									
Q3363-02	PR132-SO1-03	1424	105									
Q3363-03	PR132-SO3-02	1427	105									
Q3363-04	PR132-SO3-01	1430	105									
Q3363-05	COMP01-20251	1434	99									
Q3363-05DUP	COMP01-20251	1437	99									
Q3363-05L	COMP01-20251	1440	100									

Internal Standard %RI Limit: 70 -130

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FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM
Contract: AECO02
Lab Code: ACE
SDG No.: Q3363
Instrument ID: P7
Start Date : 10/22/2025
Run Number: LB137619
End Date : 10/22/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 209Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
Q3363-05MS	COMP01-20251	1443	100									
Q3363-05MSD	COMP01-20251	1446	100									
Q3363-05A	COMP01-20251	1449	100									
CCV03	CCV03	1454	93									
CCB03	CCB03	1505	99									
PB170139BL	PB170139BL	1514	95									
PB170139BS	PB170139BS	1517	94									
ZZZZZZ	ZZZZZZ	1520										
ZZZZZZ	ZZZZZZ	1524										
ZZZZZZ	ZZZZZZ	1527										
ZZZZZZ	ZZZZZZ	1530										
ZZZZZZ	ZZZZZZ	1533										
ZZZZZZ	ZZZZZZ	1536										
ZZZZZZ	ZZZZZZ	1539										
ZZZZZZ	ZZZZZZ	1542										
CCV04	CCV04	1545	93									
CCB04	CCB04	1600	95									
ZZZZZZ	ZZZZZZ	1603										
ZZZZZZ	ZZZZZZ	1606										
ZZZZZZ	ZZZZZZ	1609										
ZZZZZZ	ZZZZZZ	1613										
ZZZZZZ	ZZZZZZ	1616										
ZZZZZZ	ZZZZZZ	1619										
ZZZZZZ	ZZZZZZ	1625										
ZZZZZZ	ZZZZZZ	1631										
ZZZZZZ	ZZZZZZ	1640										
ZZZZZZ	ZZZZZZ	1643										
CCV05	CCV05	1646	97									
CCB05	CCB05	1655	96									
ZZZZZZ	ZZZZZZ	1700										
ZZZZZZ	ZZZZZZ	1715										
ZZZZZZ	ZZZZZZ	1718										
ZZZZZZ	ZZZZZZ	1722										
ZZZZZZ	ZZZZZZ	1725										

Internal Standard %RI Limit: 70 -130

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FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM
Contract: AECO02
Lab Code: ACE
SDG No.: Q3363
Instrument ID: P7
Start Date : 10/22/2025
Run Number: LB137619
End Date : 10/22/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 209Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
ZZZZZZ	ZZZZZZ	1728										
ZZZZZZ	ZZZZZZ	1731										
ZZZZZZ	ZZZZZZ	1734										
ZZZZZZ	ZZZZZZ	1741										
ZZZZZZ	ZZZZZZ	1744										
CCV06	CCV06	1759	93									
CCB06	CCB06	1810	93									
ZZZZZZ	ZZZZZZ	1815										
ZZZZZZ	ZZZZZZ	1818										
ZZZZZZ	ZZZZZZ	1821										
ZZZZZZ	ZZZZZZ	1823										
ZZZZZZ	ZZZZZZ	1826										
ZZZZZZ	ZZZZZZ	1829										
CCV07	CCV07	1841	91									
CCB07	CCB07	1849	93									
Q3363-02	PR132-SO1-03	1912	94									
Q3363-03	PR132-SO3-02	1915	94									
Q3363-04	PR132-SO3-01	1918	96									
Q3363-05	COMP01-20251	1922	95									
Q3363-05DUP	COMP01-20251	1925	95									
Q3363-05L	COMP01-20251	1928	93									
Q3363-05MS	COMP01-20251	1931	92									
Q3363-05MSD	COMP01-20251	1934	92									
Q3363-05A	COMP01-20251	1937	93									
ZZZZZZ	ZZZZZZ	1941										
CCV08	CCV08	1944	89									
CCB08	CCB08	1952	93									

Internal Standard %RI Limit: 70 -130

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Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

TP-3L

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **Lb No.:** lb137570 **Lab Sample ID :** Q3352-01L **SDG No.:** Q3363

Matrix (soil/water): Solid **Level (low/med):** LOW

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Mercury	0.014	U	0.071	U			CV

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Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

COMP01-20251015L

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **Lb No.:** lb137619 **Lab Sample ID :** Q3363-05L **SDG No.:** Q3363

Matrix (soil/water): Solid **Level (low/med):** LOW

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	18800	D	18800	D	0		P
Antimony	0.15	J	1.56	U	100.0		P
Arsenic	72.7	D	72.9	D	0		P
Barium	137		142		4		P
Beryllium	1.10		1.24		13		P
Cadmium	0.98		1.04		7		P
Calcium	5160		5960		16		P
Chromium	81.8		96.2		18		P
Cobalt	13.9		16.2		17		P
Copper	207		240		16		P
Iron	45900	D	47400	D	3		P
Lead	406		430		6		P
Magnesium	7760		9030		16		P
Manganese	836		996		19		P
Nickel	45.6		54.2		19		P
Potassium	3190		3750		18		P
Selenium	3.89	UD	19.5	UD	17		P
Silver	1.34		1.46		9		P
Sodium	3530		4080		16		P
Thallium	0.24		0.27	J	13		P
Vanadium	45.6		53.3		17		P
Zinc	308		371		20		P

METAL PREPARATION & INSTRUMENT DATA

METAL PREPARATION & ANALYICAL SUMMARY

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Metals
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SAMPLE PREPARATION SUMMARY

Client: AECOM **SDG No.:** Q3363

Contract: AECO02 **Lab Code:** ACE **Method:**

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB170139**						
PB170139BL	PB170139BL	MB	SOLID	10/16/2025	1.00	100.0	100.00
PB170139BS	PB170139BS	LCS	SOLID	10/16/2025	1.00	100.0	100.00
Q3363-01	PR132-SO1-085011-20251015	SAM	SOLID	10/16/2025	1.08	100.0	50.10
Q3363-02	PR132-SO1-039085-20251015	SAM	SOLID	10/16/2025	1.14	100.0	56.60
Q3363-03	PR132-SO3-028010-20251015	SAM	SOLID	10/16/2025	1.08	100.0	54.80
Q3363-04	PR132-SO3-010013-20251015	SAM	SOLID	10/16/2025	1.20	100.0	51.50
Q3363-05	COMP01-20251015	SAM	SOLID	10/16/2025	1.16	100.0	55.40
Q3363-05DUP	COMP01-20251015DUP	DUP	SOLID	10/16/2025	1.18	100.0	55.40
Q3363-05MS	COMP01-20251015MS	MS	SOLID	10/16/2025	1.12	100.0	55.40
Q3363-05MSD	COMP01-20251015MSD	MSD	SOLID	10/16/2025	1.16	100.0	55.40

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Metals
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SAMPLE PREPARATION SUMMARY

Client: AECOM **SDG No.:** Q3363

Contract: AECO02 **Lab Code:** ACE **Method:**

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB170143**						
PB170143BL	PB170143BL	MB	SOLID	10/17/2025	0.55	35.0	100.00
PB170143BS	PB170143BS	LCS	SOLID	10/17/2025	0.53	35.0	100.00
Q3352-01DUP	TP-3DUP	DUP	SOLID	10/17/2025	0.55	35.0	89.80
Q3352-01MS	TP-3MS	MS	SOLID	10/17/2025	0.55	35.0	89.80
Q3352-01MSD	TP-3MSD	MSD	SOLID	10/17/2025	0.55	35.0	89.80
Q3363-01	PR132-SO1-085011-20251015	SAM	SOLID	10/17/2025	0.60	35.0	50.10
Q3363-02	PR132-SO1-039085-20251015	SAM	SOLID	10/17/2025	0.60	35.0	56.60
Q3363-03	PR132-SO3-028010-20251015	SAM	SOLID	10/17/2025	0.50	35.0	54.80
Q3363-04	PR132-SO3-010013-20251015	SAM	SOLID	10/17/2025	0.60	35.0	51.50
Q3363-05	COMP01-20251015	SAM	SOLID	10/17/2025	0.51	35.0	55.40

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metals
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ANALYSIS RUN LOG

Client: AECOM **Contract:** AECO02

Lab code: ACE **Sdg no.:** Q3363

Instrument id number: **Method:** **Run number:** LB137570

Start date: 10/17/2025 **End date:** 10/17/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	0954	HG
S0.2	S0.2	1	0956	HG
S2.5	S2.5	1	0959	HG
S5	S5	1	1001	HG
S7.5	S7.5	1	1004	HG
S10	S10	1	1006	HG
ICV77	ICV77	1	1010	HG
ICB77	ICB77	1	1012	HG
CCV50	CCV50	1	1015	HG
CCB50	CCB50	1	1017	HG
CRA	CRA	1	1020	HG
PB170143BL	PB170143BL	1	1027	HG
PB170143BS	PB170143BS	1	1030	HG
Q3352-01DUP	TP-3DUP	1	1034	HG
Q3352-01MS	TP-3MS	1	1037	HG
Q3352-01MSD	TP-3MSD	1	1039	HG
CCV51	CCV51	1	1044	HG
CCB51	CCB51	1	1047	HG
CCV52	CCV52	1	1116	HG
CCB52	CCB52	1	1118	HG
Q3352-01L	TP-3L	5	1123	HG
Q3363-01	PR132-SO1-085011-20251015	10	1127	HG
Q3363-03	PR132-SO3-028010-20251015	10	1133	HG
Q3363-04	PR132-SO3-010013-20251015	10	1135	HG
Q3363-05	COMP01-20251015	10	1138	HG
Q3363-02	PR132-SO1-039085-20251015	50	1141	HG
CCV53	CCV53	1	1143	HG
CCB53	CCB53	1	1146	HG

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ANALYSIS RUN LOG

Client: AECOM **Contract:** AECO02

Lab code: ACE **Sdg no.:** Q3363

Instrument id number: **Method:** **Run number:** LB137619

Start date: 10/22/2025 **End date:** 10/22/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1154	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S2	S2	1	1157	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S3	S3	1	1204	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S4	S4	1	1207	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S5	S5	1	1210	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S6	S6	1	1213	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S7	S7	1	1216	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S8	S8	1	1219	Al,Ca,Fe,K,Mg,Na
ICV01	ICV01	1	1238	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
LLICV01	LLICV01	1	1312	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICB01	ICB01	1	1316	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA01	ICSA01	1	1320	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB01	ICSAB01	1	1323	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV01	CCV01	1	1327	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB01	CCB01	1	1330	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CRI01	CRI01	1	1333	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV02	CCV02	1	1411	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB02	CCB02	1	1418	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3363-01	PR132-SO1-085011-20251015	1	1421	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3363-02	PR132-SO1-039085-20251015	1	1424	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3363-03	PR132-SO3-028010-20251015	1	1427	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3363-04	PR132-SO3-010013-20251015	1	1430	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Tl,V,Zn
Q3363-05	COMP01-20251015	1	1434	Ag,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Tl,V,Zn
Q3363-05DUP	COMP01-20251015DUP	1	1437	Ag,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Tl,V,Zn
Q3363-05L	COMP01-20251015L	5	1440	Ag,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Tl,V,Zn
Q3363-05MS	COMP01-20251015MS	1	1443	Ag,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Sb,Tl,V,Zn
Q3363-05MSD	COMP01-20251015MSD	1	1446	Ag,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Sb,Tl,V,Zn
Q3363-05A	COMP01-20251015A	1	1449	Ag,Ca,Cr,Cu,K,Mg,Mn,Ni,Zn
CCV03	CCV03	1	1454	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB03	CCB03	1	1505	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB170139BL	PB170139BL	1	1514	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB170139BS	PB170139BS	1	1517	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV04	CCV04	1	1545	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB04	CCB04	1	1600	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV05	CCV05	1	1646	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB05	CCB05	1	1655	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV06	CCV06	1	1759	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB06	CCB06	1	1810	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV07	CCV07	1	1841	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB07	CCB07	1	1849	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3363-02	PR132-SO1-039085-20251015	5	1912	Cr

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ANALYSIS RUN LOG

Client: AECOM **Contract:** AECO02

Lab code: ACE **Sdg no.:** Q3363

Instrument id number: **Method:** **Run number:** LB137619

Start date: 10/22/2025 **End date:** 10/22/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
Q3363-03	PR132-SO3-028010-20251015	5	1915	Cr
Q3363-04	PR132-SO3-010013-20251015	5	1918	Se
Q3363-05	COMP01-20251015	5	1922	Al,As,Fe,Se
Q3363-05DUP	COMP01-20251015DUP	5	1925	Al,As,Fe,Se
Q3363-05L	COMP01-20251015L	25	1928	Al,As,Fe,Se
Q3363-05MS	COMP01-20251015MS	5	1931	Al,As,Fe,Pb,Se
Q3363-05MSD	COMP01-20251015MSD	5	1934	Al,As,Fe,Pb,Se
Q3363-05A	COMP01-20251015A	5	1937	As
CCV08	CCV08	1	1944	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB08	CCB08	1	1952	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV09	CCV09	1	2028	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB09	CCB09	1	2031	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV10	CCV10	1	2103	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB10	CCB10	1	2106	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

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LAB CHRONICLE

OrderID:	Q3363	**OrderDate:**	10/16/2025 10:56:42 AM
Client:	AECOM	**Project:**	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC -
Contact:	Rob Forstner	**Location:**	60393795 Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3363-01	**PR132-SO1-085011-20251015**	**SOIL**			**10/15/25 11:57**			**10/15/25**
			Hexavalent Chromium	7196A		10/20/25	10/20/25 15:07	
			TOC	Lloyd Kahn			10/20/25 11:03	
Q3363-02	**PR132-SO1-039085-20251015**	**SOIL**			**10/15/25 12:10**			**10/15/25**
			Hexavalent Chromium	7196A		10/20/25	10/20/25 15:08	
			TOC	Lloyd Kahn			10/20/25 11:24	
Q3363-03	**PR132-SO3-028010-20251015**	**SOIL**			**10/15/25 13:15**			**10/15/25**
			Hexavalent Chromium	7196A		10/20/25	10/20/25 15:08	
			TOC	Lloyd Kahn			10/20/25 11:40	
Q3363-04	**PR132-SO3-010013-20251015**	**SOIL**			**10/15/25 13:30**			**10/15/25**
			Hexavalent Chromium	7196A		10/20/25	10/20/25 15:09	
			TOC	Lloyd Kahn			10/20/25 12:00	
Q3363-05	**COMP01-20251015**	**SOIL**			**10/15/25 13:53**			**10/15/25**
			Hexavalent Chromium	7196A		10/20/25	10/20/25 15:09	

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LAB CHRONICLE

TOC	Lloyd Kahn	10/20/25 12:20

SAMPLE DATA

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Report of Analysis

Client:	AECOM	Date Collected:	10/15/25 11:57
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	PR132-SO1-085011-20251015	SDG No.:	Q3363
Lab Sample ID:	Q3363-01	Matrix:	SOIL
		% Solid:	50.1

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Hexavalent Chromium	0.78	U	1	0.14	0.78	mg/Kg	10/20/25 11:50	10/20/25 15:07	7196A
TOC	34300	OR	1	43.4	250	mg/Kg		10/20/25 11:03	Lloyd Kahn

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	AECOM	Date Collected:	10/15/25 12:10
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	PR132-SO1-039085-20251015	SDG No.:	Q3363
Lab Sample ID:	Q3363-02	Matrix:	SOIL
		% Solid:	56.6

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Hexavalent Chromium	0.70	U	1	0.12	0.70	mg/Kg	10/20/25 11:50	10/20/25 15:08	7196A
TOC	30800	OR	1	43.4	250	mg/Kg		10/20/25 11:24	Lloyd Kahn

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	AECOM	Date Collected:	10/15/25 13:15
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	PR132-SO3-028010-20251015	SDG No.:	Q3363
Lab Sample ID:	Q3363-03	Matrix:	SOIL
		% Solid:	54.8

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Hexavalent Chromium	0.72	U	1	0.13	0.72	mg/Kg	10/20/25 11:50	10/20/25 15:08	7196A
TOC	28600	OR	1	43.4	250	mg/Kg		10/20/25 11:40	Lloyd Kahn

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	AECOM	Date Collected:	10/15/25 13:30
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	PR132-SO3-010013-20251015	SDG No.:	Q3363
Lab Sample ID:	Q3363-04	Matrix:	SOIL
		% Solid:	51.5

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Hexavalent Chromium	0.76	U	1	0.13	0.76	mg/Kg	10/20/25 11:50	10/20/25 15:09	7196A
TOC	31500	OR	1	43.4	250	mg/Kg		10/20/25 12:00	Lloyd Kahn

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	AECOM	Date Collected:	10/15/25 13:53
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	COMP01-20251015	SDG No.:	Q3363
Lab Sample ID:	Q3363-05	Matrix:	SOIL
		% Solid:	55.4

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Hexavalent Chromium	0.71	U	1	0.12	0.71	mg/Kg	10/20/25 11:50	10/20/25 15:09	7196A
TOC	24300	OR	1	43.4	250	mg/Kg		10/20/25 12:20	Lloyd Kahn

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

QC RESULT SUMMARY

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Initial and Continuing Calibration Verification

Client:	AECOM	**SDG No.:**	Q3363
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	**RunNo.:**	LB137582

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	ICV1						
TOC		mg/L	968	1000	97	90-110	07/22/2025
Sample ID:	CCV1						
TOC		mg/L	1030	1000	103	90-110	10/20/2025
Sample ID:	CCV2						
TOC		mg/L	1050	1000	105	90-110	10/20/2025
Sample ID:	CCV3						
TOC		mg/L	1010	1000	101	90-110	10/20/2025

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Initial and Continuing Calibration Verification

Client:	AECOM	**SDG No.:**	Q3363
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	**RunNo.:**	LB137587

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV						
Hexavalent Chromium	mg/L	0.494	0.5	99	90-110	10/20/2025
Sample ID: CCV1						
Hexavalent Chromium	mg/L	0.495	0.5	99	90-110	10/20/2025
Sample ID: CCV2						
Hexavalent Chromium	mg/L	0.494	0.5	99	90-110	10/20/2025
Sample ID: CCV3						
Hexavalent Chromium	mg/L	0.490	0.5	98	90-110	10/20/2025
Sample ID: CCV4						
Hexavalent Chromium	mg/L	0.492	0.5	98	90-110	10/20/2025

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Initial and Continuing Calibration Blank Summary

Client:	AECOM	**SDG No.:**	Q3363
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	**RunNo.:**	LB137582

Analyte		Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID:	ICB1							
TOC		mg/L	< 125.0000	125.0000	U	32.1	250	07/22/2025
Sample ID:	CCB1							
TOC		mg/L	< 125.0000	125.0000	U	32.1	250	10/20/2025
Sample ID:	CCB2							
TOC		mg/L	< 125.0000	125.0000	U	32.1	250	10/20/2025
Sample ID:	CCB3							
TOC		mg/L	< 125.0000	125.0000	U	32.1	250	10/20/2025

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Initial and Continuing Calibration Blank Summary

Client: AECOM **SDG No.:** Q3363

Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206 **RunNo.:** LB137587

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	10/20/2025
Sample ID: CCB1							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	10/20/2025
Sample ID: CCB2							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	10/20/2025
Sample ID: CCB3							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	10/20/2025
Sample ID: CCB4							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	10/20/2025

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Preparation Blank Summary

Client: AECOM **SDG No.:** Q3363

Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: LB137582BLS							
TOC	mg/Kg	< 125.0000	125.0000	U	43.4	250	10/20/2025
Sample ID: PB170150BL							
Hexavalent Chromium	mg/Kg	< 0.2000	0.2000	U	0.07	0.4	10/20/2025

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Matrix Spike Summary

Client: AECOM **SDG No.:** Q3363

Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-171 **Sample ID:** Q3375-05

Client ID: PR132-DP02-20251016MS **Percent Solids for Spike Sample:** 66.7

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
TOC	mg/Kg	75-125	31100	OR	30000	OR	1000	1	110		10/20/2025

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Matrix Spike Summary

Client: AECOM **SDG No.:** Q3363

Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-171 **Sample ID:** Q3375-05

Client ID: PR132-DP02-20251016MSD **Percent Solids for Spike Sample:** 66.7

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
TOC	mg/Kg	75-125	31200	OR	30000	OR	1000	1	120		10/20/2025

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Matrix Spike Summary

Client: AECOM **SDG No.:** Q3363

Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-171 **Sample ID:** Q3392-01

Client ID: MH-20MS **Percent Solids for Spike Sample:** 90.3

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	75-125	1370		0.077	U	1420	40	96		10/20/2025

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Matrix Spike Summary

Client: AECOM **SDG No.:** Q3363

Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-171 **Sample ID:** Q3392-01

Client ID: MH-20MS **Percent Solids for Spike Sample:** 90.3

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	85-115	43.0		0.077	U	44.3	2	97		10/20/2025

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Matrix Spike Summary

Client: AECOM **SDG No.:** Q3363

Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-171 **Sample ID:** Q3392-01

Client ID: MH-20MS **Percent Solids for Spike Sample:** 90.3

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	75-125	38.6		0.077	U	44.3	2	87		10/20/2025

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Duplicate Sample Summary

Client: AECOM
SDG No.: Q3363
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Sample ID: Q3375-05
Client ID: PR132-DP02-20251016MSD
Percent Solids for Spike Sample: 66.7

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
TOC	mg/Kg	+/-20	31100	OR	31200	OR	1	0		10/20/2025

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Duplicate Sample Summary

Client: AECOM
SDG No.: Q3363
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Sample ID: Q3392-01
Client ID: MH-20DUP
Percent Solids for Spike Sample: 90.3

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	+/-20	0.077	U	0.077	U	1	0		10/20/2025

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Laboratory Control Sample Summary

Client:	AECOM	**SDG No.:**	Q3363
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	**Run No.:**	LB137582

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID **LB137582BSS**								
TOC	mg/Kg	1000	1030		103	1	90-110	10/20/2025

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Laboratory Control Sample Summary

Client:	AECOM	**SDG No.:**	Q3363
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	**Run No.:**	LB137587

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID PB170150BS								
Hexavalent Chromium	mg/Kg	20	19.7		98	1	84-110	10/20/2025